



## DEPARTMENT OF ENVIRONMENTAL QUALITY

KATHLEEN BABINEAUX BLANCO

GOVERNOR

MIKE D. McDANIEL, Ph.D.

SECRETARY

Certified Mail No. \_\_\_\_\_

Agency Interest No. 3544  
Activity No.: PER19960001

Mr. Earl Wooten  
Assistant Plant Manager  
OxyChem Convent Facility  
Occidental Chemical Corporation – Basic Chemicals Group (OxyChem)  
7377 Highway 3214  
Convent, LA 70723

RE: Part 70 Air Permit, OxyChem Convent Facility, Occidental Chemical Corporation – Basic Chemicals Group (OxyChem), 7377 Highway 3214, Convent, St. James Parish, Louisiana

Dear Mr. Wooten:

This is to inform you that the permit for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the \_\_\_\_\_ of \_\_\_\_\_, 2011, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and Agency Interest No. cited above should be referenced in future correspondence regarding this facility.

Done this \_\_\_\_\_ day of \_\_\_\_\_, 2006. \_\_\_\_\_

Permit No.: 2560-00019-V1

*Needs Public*

*Notice*

## ENVIRONMENTAL SERVICES

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**AIR PERMIT BRIEFING SHEET**  
**AIR PERMITS DIVISION**  
**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**OXYCHEM CONVENT FACILITY**  
**AGENCY INTEREST NO.: 3544**

**OCCIDENTAL CHEMICAL CORPORATION – BASIC CHEMICALS GROUP**  
**CONVENT, ST. JAMES PARISH, LOUISIANA**

**I. Background**

Occidental Chemical Corporation – Basic Chemicals Group (OxyChem) owns and operates a Chlor-Alkali/Ethylene Dichloride (EDC) manufacturing facility (OxyChem Convent Facility) in Convent, St. James Parish, Louisiana. The facility was originally constructed in 1981. The facility has had several owners since its construction. Several construction/operating permits have been issued to the facility as follows: State Permit No. 999 issued on July 25, 1978 to HCC Chemical Company, Inc.; PSD-LA-108 issued on March 16, 1979; State Permit No. 1460 issued on November 6, 1980 to B. F. Goodrich Company, Chemical Group; PSD-LA-326 issued on November 24, 1980; State Permit No. 1799T issued on January 1, 1982 to Occidental Electrochemical Corp.; PSD-LA-326 (M-1) issued on April 18, 1985; State Permit No. 1460 M-1 issued on May 21, 1985 to B. F. Goodrich Company, Chemical Group; Consolidated Air Permit No. 2560-00019-01 issued on April 22, 1990 to Occidental Chemical Corp.; Consolidated Air Permit No. 2560-00019-02 issued on March 22, 1993 to Occidental Chemical Corp.; Consolidated Air Permit No. 2560-00019-03 issued on November 3, 1993 to Occidental Chemical Corp.; Consolidated Air Permit No. 2560-00019-04 issued on August 12, 1994 to Occidental Chemical Corp.; Part 70 Permit No. 2560-00019-V0 issued on June 8, 2000 to Occidental Chemical Corp.; PSD-LA-650 issued on June 8, 2000 to Occidental Chemical Corp.; and Acid Rain Permit No. 2560-00019-IV0 issued on August 1, 2000 to Occidental Chemical Corp.

The OxyChem Convent Facility currently operates under the LDEQ Consolidated Air Permit No. 2560-00019-04, issued on August 12, 1994, and PSD-LA-108, issued on November 6, 1980. Part 70 Permit No. 2560-00019-V0 and Permit No. PSD-LA-650, both issued on June 8, 2000, and Acid Rain Permit No. 2560-00019-IV0 issued on August 1, 2000, were issued for a co-generation project which was not built; these permits were therefore terminated on April 1, 2003.

This is the initial Part 70 air operating permit (Permit No. 2560-00019-V1) for the OxyChem Convent Facility.

**II. Origin**

OxyChem submitted an initial Title V application and Emission Inventory Questionnaire (EIQ) on October 15, 1996. An updated Title V application and EIQ were submitted on April 21, 2005. Additional information was received on August 8, August 31, November 4, and November 16, 2005.

**AIR PERMIT BRIEFING SHEET**  
**AIR PERMITS DIVISION**  
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**OXYCHEM CONVENT FACILITY**  
**AGENCY INTEREST NO.: 3544**  
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**III. Description**

The OxyChem Convent Facility consists of three basic operations: a Chlor-Alkali Plant utilizing modified asbestos diaphragm cells to produce 876 MM lbs/yr of chlorine and 989 MM lbs/yr of 50% sodium hydroxide, an ethylene dichloride (EDC) Plant utilizing direct chlorination technology to produce 1,679 MM lbs/yr of EDC, and steam generating facilities that provide support to the Chlor-Alkali and EDC Plants.

The **Chlor-Alkali Plant** utilizes modified asbestos diaphragm cell technology to produce chlorine, sodium hydroxide (caustic soda), and hydrogen. In diaphragm cell technology, impurities (calcium and magnesium) are removed from brine (salt water) through precipitation and filtration. An electric current is then applied to the brine in electrolytic cells. Chlorine forms on the anode, and sodium hydroxide and hydrogen gas are formed on the cathode. A modified asbestos diaphragm separates the anode and cathode, as well as the products of electrolysis.

The chlorine gas is dried, cooled, and compressed. A portion of the chlorine gas is liquefied and then either stored or transported to customers by railcar. The remaining chlorine gas is fed directly to the EDC Plant via piping, greatly reducing the possibility of fugitive leaks and emissions.

The sodium hydroxide is concentrated by evaporation, filtered to meet specifications, and then transported to customers by ship, barge, tank truck, or railcar. The OxyChem Convent Facility has an existing truck loading facility, marine dock, and rail lines.

The hydrogen gas produced by the Chlor-Alkali Plant is either sold or used onsite as fuel. If sold, the hydrogen gas is transported directly to the customer via pipeline.

If the Chlor-Alkali Plant reduces production rates or ceases operation because of a shutdown of the EDC Plant or for any other reason, chlorine gas will be routed to the Emergency Chlorine Neutralization Tanks, EIQ No. 4-78, where it will be neutralized. The tanks are large enough to accommodate all of the chlorine not liquefied in the Chlor-Alkali Plant.

The **EDC Plant** utilizes direct chlorination technology to produce EDC. In direct chlorination technology, EDC is produced by the exothermal reaction of chlorine and ethylene in a liquid EDC phase.

The **steam generation plant** consists of three natural gas fired boilers (EIQ Nos. 07-78, 08-78, and 09-78). Boiler F-1 (EIQ No. 07-78), which is fired from natural gas and hydrogen generated from the Chlor-Alkali plant, produces steam only. Boilers F-5 and F-6 (EIQ Nos. 09-78 and 08-78, respectively) are fired with natural gas, hydrogen, and vent gas for which

**AIR PERMIT BRIEFING SHEET**  
**AIR PERMITS DIVISION**  
**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**OXYCHEM CONVENT FACILITY**  
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they serve as a vent control device in addition to producing steam. The exhaust from Boilers F-5 and F-6 is routed through the FGD Scrubber (36C-2) to remove hydrogen chloride and chlorine generated from the combustion of the vent gas stream. All boilers combined have the potential to produce 550,000 lbs/hr of steam.

In this initial Part 70 operating permit, OxyChem proposes to:

- Increase the Chlor-Alkali production rates by adding 12 new production cells (10% increase);
- Propose the future construction of two new boiler off gas scrubbers to replace the current scrubber, FGD Scrubber (36C-2). The proposed off-gas scrubbers would each be able to serve Boilers F-5 and F-6 (EIQ Nos. 8-78 and 9-78, respectively);
- Add the following emission sources to the permit:
  - Wastewater related emissions (EIQ No. 44-96);
  - Cooling water tower (EIQ No. 49-97);
  - Diesel Engines emissions (EIQ No. 50-02);
  - Cell Renewal Glove Box Vent emissions (EIQ No. 52-02);
  - Strong Acid Tanks (EIQ Nos. 53-05 and 54-05);
- Remove the following emission sources from the permit:
  - Ammonia Scrubber (EIQ No. 6-78);
  - Coal handling units (EIQ Nos. 10-78, 11-78, 12-78, and 16-78);
  - Pilot plant units (EIQ Nos. 24-90 and 25-90);
- Remove Diesel Pump Systems (EIQ No. 51-02) as a point source and incorporate it into Diesel Engines (EIQ No. 50-02);
- Reclassify previously permitted emission point sources (EIQ Nos. 14-78, 15-78, 33-94 to 42-94, 47-97, and 48-97) as emission sources routed to Boilers F-6 and/or F-5 (EIQ Nos. 8-78 and/or 9-78, respectively) for emissions control;
- Move the Diesel Storage Tank (EIQ No. 19-78) to insignificant activities;
- Eliminate the option of using coal and fuel oil as alternative fuels for Boilers F-1, F-6, and F-5 (EIQ Nos. 7-78, 8-78, and 9-78);
- Remove Marine Loading Fugitive Emissions (EIQ No. 23-89) as a point source and incorporate it into Plantwide Fugitive Emissions (EIQ No. 22-85);

**AIR PERMIT BRIEFING SHEET**  
**AIR PERMITS DIVISION**  
**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**OXYCHEM CONVENT FACILITY**  
**AGENCY INTEREST NO.: 3544**

**OCCIDENTAL CHEMICAL CORPORATION – BASIC CHEMICALS GROUP**  
**CONVENT, ST. JAMES PARISH, LOUISIANA**

- Reconcile emissions as a result of re-examining the “potential-to-emit” for several emission sources and/or updating calculations to reflect more recent emission factors, test data, and operating experience;
- Combine the emissions from Boilers F-1, F-6, and F-5 (EIQ Nos. 7-78, 8-78, and 9-78) and the Carbonation Towers (EIQ Nos. 17-78 and 18-78) into an emissions cap, Boiler Emission Cap (EIQ No. CAP01-05), for operational flexibility; and
- Update the General Condition XVII and Insignificant Activity lists.

**Project Description**

OxyChem is proposing to add 12 new chlorine production cells at the OxyChem Convent Facility to reduce the amount of purchased chlorine brought on-site in rail tank cars. There will, however, not be an increase in EDC production at the facility. Only the units associated with the production of chlorine from the new cells will be affected by this project. The steam boilers (EIQ Nos. 7-78, 8-78, and 9-78) and the carbonation towers, (EIQ Nos. 17-78 and 18-78) will be affected by the project.

The steam boilers will have to be fired harder to produce steam for the new production cells. These boilers will not be physically modified, nor will they have an increase in the permitted firing duty as a result of this project, but the actual firing rate will increase. All boilers combined will have the potential to produce 550,000 lbs/hr of steam. An incremental increase in actual emissions from the boilers will result. However, there will be no increases in permitted emission rates.

The carbonation towers are used to produce sodium carbonate by processing flue gas that is diverted from the boilers. Approximately 10% of flue gas from the boilers is diverted to the carbonation towers. Because they handle up to 10% of the flue gas from the boilers, they are project-affected-and-will-have-an-associated-incremental-increase-in-actual-emissions. However, there will be no increases in permitted emission rates.

**Prevention of Significant Deterioration (PSD) Review**

The OxyChem Convent Facility is located in St. James Parish which is an attainment area for all PSD regulated pollutants. Any net emissions increase in these pollutants must be reviewed with respect to the PSD program.

The project described above, which would increase chlorine and sodium hydroxide production by 10 percent, was evaluated to determine if the project would result in physical

**AIR PERMIT BRIEFING SHEET**  
**AIR PERMITS DIVISION**  
**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**OXYCHEM CONVENT FACILITY**  
**AGENCY INTEREST NO.: 3544**  
**OCCIDENTAL CHEMICAL CORPORATION – BASIC CHEMICALS GROUP**  
**CONVENT, ST. JAMES PARISH, LOUISIANA**

changes which would result in emissions increases. The table below compares the project-related net emissions increases of the sources affected by the project to their respective PSD Significant Threshold limits.

Source ID	Source Description	Project-Related Net Emissions Increases (tons/yr)				
		PM / PM <sub>10</sub>	CO	SO <sub>2</sub>	NO <sub>x</sub>	VOC
7-78	Boiler F-1	0.87	0.06	0.07	14.38	--
8-78	Boiler F-6	0.60	2.09	0.03	7.80	--
9-78	Boiler F-5	0.55	1.24	0.03	7.57	--
17-78	Carbonation Tower (38C-2)	0.19	0.31	0.01	2.75	1.67
18-78	Carbonation Tower (38C-1)	0.19	0.31	0.01	2.75	1.67
22-85	Plantwide Fugitive Emissions	Neg.	Neg.	Neg.	Neg.	Neg.
26-91	Cathode Electrical Oven (2F-1)	0.01	Neg.	Neg.	Neg.	Neg.
49-97	Cooling Water Towers	0.01	Neg.	Neg.	Neg.	< 0.01
<b>Total Project Increases (tons/yr)</b>		<b>2.42</b>	<b>4.01</b>	<b>0.15</b>	<b>35.25</b>	<b>3.34</b>
PSD Significant Threshold (tons/yr)		25 / 15	100	40	40	40
<b>PSD Applicability</b>		<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>

All project-related increases are below their respective PSD Significant Threshold limits. A PSD review is therefore not required.

**Non-attainment New Source Review (NNSR)**

The OxyChem Convent Facility is located in St. James Parish which is designated as attainment for ozone. NNSR is therefore not required.

Estimated emissions in tons per year are as follows:

Pollutant	Before	After	Change
PM <sub>10</sub>	78.49	20.45	- 58.04
SO <sub>2</sub>	679.12	2.60	- 676.52
NO <sub>x</sub>	1,383.10	450.40	- 932.70
CO	199.94	37.88	- 162.06
VOC*	29.76	22.88	- 6.88

\* See VOC Speciation below

**AIR PERMIT BRIEFING SHEET**  
**AIR PERMITS DIVISION**  
**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**OXYCHEM CONVENT FACILITY**  
**AGENCY INTEREST NO.: 3544**  
**OCCIDENTAL CHEMICAL CORPORATION – BASIC CHEMICALS GROUP**  
**CONVENT, ST. JAMES PARISH, LOUISIANA**

VOC TAP Speciation (TPY)	
LAC 33:III.Chapter 51 Regulated VOC TAPs	
1,1,2-Trichloroethane	0.044
1,2-Dichloroethane	5.931
Benzene	0.006
bis (2-Chloroethyl) Ether	0.044
Chloroform	0.044
Dichlorobenzene	0.002
Ethyl benzene	< 0.001
Chloroethane	1.953
Formaldehyde	0.125
n-Hexane	3.031
Naphthalene	0.001
Polynuclear Aromatic Hydrocarbons	0.001
Toluene	0.008
Xylene	0.001
<b>TOTAL VOC TAPs (including HRVOCs)</b>	<b>11.191</b>
<b>Other VOCs</b>	<b>11.689</b>

non-VOC TAP Speciation (TPY)	
LAC 33:III.Chapter 51 Regulated Non-VOC TAPs	
Asbestos (friable)	0.001
Chlorine	3.703
Hydrochloric Acid	1.446
Sulfuric Acid	0.001
<b>TOTAL non-VOC TAPs</b>	<b>5.151</b>

Highly Reactive Volatile Organic Compound (HRVOC) TAPs.

#### IV. Type of Review

This permit was reviewed for compliance with the Louisiana Part 70 operating permit program, the Louisiana Air Quality Regulations, New Source Performance Standards (NSPS), and National Emission Standards for Hazardous Air Pollutants (NESHAP). Prevention of Significant Deterioration (PSD) and Non-attainment New Source Review (NNSR) requirements do not apply.

The OxyChem Convent Facility is a major source of criteria air pollutants, but is not a major source of toxic air pollutants (TAPs) or hazardous air pollutants (HAPs). The OxyChem facility is therefore not subject to the Maximum Achievable Control Technology (MACT) standards of LAC 33:III.Chapter 51 for TAPs, nor to any of the promulgated EPA 40 CFR 63 MACT standards, but must comply with all applicable provisions of LAC 33:III.Chapter 51.

**AIR PERMIT BRIEFING SHEET**  
**AIR PERMITS DIVISION**  
**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**OXYCHEM CONVENT FACILITY**  
**AGENCY INTEREST NO.: 3544**  
**OCCIDENTAL CHEMICAL CORPORATION – BASIC CHEMICALS GROUP**  
**CONVENT, ST. JAMES PARISH, LOUISIANA**

**V. Credible Evidence**

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

**VI. Public Notice**

A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, Louisiana on <date>, 2005, and in the *News-Examiner*, Lutcher, Louisiana on <date>, 2005. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on <date>. The draft permit was also submitted to US EPA Region VI on <date>. All comments will be considered prior to the final permit decision.

**VII. Effects on Ambient Air**

Dispersion Model(s) Used: <None>

Pollutant	Time Period	Calculated Maximum Ground Level Concentration	Louisiana Air Quality Standard (NAAQS)
N/A			

**VIII. General Condition XVII Activities**

Activity ID No.	Activity	Frequency of Activity
01-GCXVII	Sample Collection	3,285/yr
02-GCXVII	Cell Head Removal	730/yr
03-GCXVII	Mist Elements Replacement/Discard Piping Removal /Discard	240 ft/yr 800 ft/yr
04-GCXVII	EDC Hose Disconnects from Marine Loading Operations	208/yr

**AIR PERMIT BRIEFING SHEET**  
**AIR PERMITS DIVISION**  
**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**OXYCHEM CONVENT FACILITY**  
**AGENCY INTEREST NO.: 3544**  
**OCCIDENTAL CHEMICAL CORPORATION – BASIC CHEMICALS GROUP**  
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Activity ID No.	Activity	Frequency of Activity
05-GCXVII	EDC Tank Strapping	3,276/yr
06-GCXVII	EDC P/SV Removal/Replacement	18/yr
07-GCXVII	Depressuring Ethylene Pipeline	24/yr
08-GCXVII	Solvent Filter Change-Out	76/yr
09-GCXVII	Pump Swap-Outs and Maintenance	104/yr
10-GCXVII	Reboiler Swap-Outs and Cleaning	24/yr

Activity ID No.	Total Annual Emissions (TPY)					
	PM <sub>10</sub>	SO <sub>2</sub>	NO <sub>x</sub>	CO	VOC	Chlorine
01-GCXVII	-	-	-	-	0.02	0.01
02-GCXVII	-	-	-	-	-	< 0.01
03-GCXVII	-	-	-	-	-	< 0.01
04-GCXVII	-	-	-	-	0.03	-
05-GCXVII	-	-	-	-	0.11	-
06-GCXVII	-	-	-	-	0.03	-
07-GCXVII	-	-	-	-	1.00	-
08-GCXVII	-	-	-	-	0.57	-
09-GCXVII	-	-	-	-	0.14	-
10-GCXVII	-	-	-	-	0.25	-
<b>Total</b>	-	-	-	-	2.15*	0.01

Of the VOC total, 0.59 tpy are EDC and 0.06 tpy are Naphthalene.

#### IX. Insignificant Activities

ID No.:	Description	Max Rate or Tank Capacity	Citation
3D-7	Diesel Tank	150 gals	LAC 33:III.501.B.5.A.3
33D-2A	Diesel Tank	150 gals	LAC 33:III.501.B.5.A.3
33D-2B	Diesel Tank	150-gals	LAC 33:III.501.B.5.A.3
33D-8A	Diesel Tank	150 gals	LAC 33:III.501.B.5.A.3
33D-8B	Diesel Tank	150 gals	LAC 33:III.501.B.5.A.3
33D-9	Diesel Tank	150 gals	LAC 33:III.501.B.5.A.3
35D-1	Diesel Tank	500 gals	LAC 33:III.501.B.5.A.3
73D-1	Diesel Tank	2,087 gals	LAC 33:III.501.B.5.A.3
73D-3	Diesel Tank	300 gals	LAC 33:III.501.B.5.A.3
73D-4	Diesel Tank	300 gals	LAC 33:III.501.B.5.A.3
31D-15*	Recovered Oil Tank	1,028 gals	LAC 33:III.501.B.5.A.3

**AIR PERMIT BRIEFING SHEET**  
**AIR PERMITS DIVISION**  
**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**OXYCHEM CONVENT FACILITY**  
**AGENCY INTEREST NO.: 3544**

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**CONVENT, ST. JAMES PARISH, LOUISIANA**

ID No.:	Description	Max Rate or Tank Capacity	Citation
04D-39	Sodium Borohydride Storage Tank	450 gals	LAC 33:III.501.B.5.A.4
--	Vents from Lab Fume Hoods	0.03 tpy EDC	LAC 33:III.501.B.5.A.6
--	Non-commercial Drum Washing	0.04 tpy EDC	LAC 33:III.501.B.5.A.7
--	Process Analyzer Vents	0.88 tpy VOCs	LAC 33:III.501.B.5.A.9
--	Maintenance of grounds or buildings	N/A	LAC 33:III.501.B.5.B.1
--	Surface Coating of Equipment	N/A	LAC 33:III.501.B.5.B.2
--	Miscellaneous Equipment Maintenance	N/A	LAC 33:III.501.B.5.B.3
--	Vehicle Exhaust/Refueling Emissions	N/A	LAC 33:III.501.B.5.B.4
--	Office Activities	N/A	LAC 33:III.501.B.5.B.5
--	Water-Treatment Chemical Emissions from Use/Storage	N/A	LAC 33:III.501.B.5.B.8
--	Misc. Additions or Upgrades of Instrumentation/Controls	N/A	LAC 33:III.501.B.5.B.9
--	Food Preparation Emissions	N/A	LAC 33:III.501.B.5.B.10
--	Emissions from air contaminant detectors, air contaminant recorders, combustion controllers/shutoff devices	N/A	LAC 33:III.501.B.5.B.11
--	Buildings, Cabinets, and Facilities used for Storage of Chemicals in Closed Containers	N/A	LAC 33:III.501.B.5.B.12
--	Maintenance of Motor Vehicles	N/A	LAC 33:III.501.B.5.B.13
--	Stacks or vents to prevent escape of sanitary sewer gases through plumbing traps	N/A	LAC 33:III.501.B.5.B.15
--	Equipment Lubricating Systems Emissions	N/A	LAC 33:III.501.B.5.B.16
--	Air Conditioning/Comfort Ventilation Systems Not Regulated Under Title VI of CAA	N/A	LAC 33:III.501.B.5.B.17
--	Instrumentation Air Systems, Excluding Fuel-Fired Compressors	N/A	LAC 33:III.501.B.5.B.22
--	Paved Parking Lots	N/A	LAC 33:III.501.B.5.B.23
--	Air Vents from Air Compressors	N/A	LAC 33:III.501.B.5.B.24
--	Periodic Use of Air for Cleanup	N/A	LAC 33:III.501.B.5.B.25
--	Solid Waste Dumpsters	N/A	LAC 33:III.501.B.5.B.26

**AIR PERMIT BRIEFING SHEET**  
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**OXYCHEM CONVENT FACILITY**  
**AGENCY INTEREST NO.: 3544**

**OCCIDENTAL CHEMICAL CORPORATION – BASIC CHEMICALS GROUP**  
**CONVENT, ST. JAMES PARISH, LOUISIANA**

ID No.:	Description	Max Rate or Tank Capacity	Citation
--	Emissions of wet Lime Mud from Lime Mud Mix Tanks, Lime Mud Washers, Lime Mud Piles, Lime Mud Filter and Filtrate Tanks, and Lime Mud Slurry Tanks	N/A	LAC 33:III.501.B.5.B.27
--	Emissions from Pneumatic Starters on Reciprocating Engines, Turbines, or Other Equipment	N/A	LAC 33:III.501.B.5.B.28
--	Emissions from Engine Crankcase Vents	N/A	LAC 33:III.501.B.5.B.30
--	Emergency Use Generators, Boilers, or Other Fuel Burning Equipment =/≤ Capacity of Primary Operating Unit	N/A	LAC 33:III.501.B.5.B.32
04D-3	Reuse Water Tank	144,600 gals	LAC 33:III.501.B.5.B.40
04D-7	Solid Bowl Centrifuge Tank	8,620 gals	LAC 33:III.501.B.5.B.40
04D-11	Sulfate Purge Settler	280 gals	LAC 33:III.501.B.5.B.40
04D-13	Filter Feed Tank	7,660 gals	LAC 33:III.501.B.5.B.40
04D-15	Sulfate Leach Tank	19,400 gals	LAC 33:III.501.B.5.B.40
04D-16	50 Caustic Rundown Tank	48,500 gals	LAC 33:III.501.B.5.B.40
04D-23	Cell Liquor Tank # 1	1,920,000 gals	LAC 33:III.501.B.5.B.40
04D-24	Cell Liquor Tank # 2	1,920,000 gals	LAC 33:III.501.B.5.B.40
04D-25	Salt Slurry Tank	8,150 gals	LAC 33:III.501.B.5.B.40
04D-27	Evaporator Feed Tank	12,720 gals	LAC 33:III.501.B.5.B.40
04D-28	Filter Backwash Tank	6,220 gals	LAC 33:III.501.B.5.B.40
04D-29	Caustic Cooling Tank # 1	4,310 gals	LAC 33:III.501.B.5.B.40
04D-30	Caustic Cooling Tank # 2	4,040 gals	LAC 33:III.501.B.5.B.40
04D-31	Caustic Cooling Tank # 3	4,040 gals	LAC 33:III.501.B.5.B.40
04D-32	Caustic Cooling Tank # 4	4,040 gals	LAC 33:III.501.B.5.B.40
04D-33	Caustic Cooling Tank # 5	4,040 gals	LAC 33:III.501.B.5.B.40
04D-34	Caustic Cooling Tank # 6	4,040 gals	LAC 33:III.501.B.5.B.40
04D-35	Caustic Cooling Tank # 7	4,040 gals	LAC 33:III.501.B.5.B.40
04D-36	Boilout Tank	38,100 gals	LAC 33:III.501.B.5.B.40
05D-6	Purification Waste Tank	33,000 gals	LAC 33:III.501.B.5.B.40
05D-7	Purification Waste Tank	33,000 gals	LAC 33:III.501.B.5.B.40

**AIR PERMIT BRIEFING SHEET**  
**AIR PERMITS DIVISION**  
**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**OXYCHEM CONVENT FACILITY**  
**AGENCY INTEREST NO.: 3544**  
**OCCIDENTAL CHEMICAL CORPORATION – BASIC CHEMICALS GROUP**  
**CONVENT, ST. JAMES PARISH, LOUISIANA**

ID No.:	Description	Max Rate or Tank Capacity	Citation
05D-8	Purification Waste Tank	33,000 gals	LAC 33:III.501.B.5.B.40
05D-9	Purification Waste Tank	33,000 gals	LAC 33:III.501.B.5.B.40
20D-4	Regular Caustic Storage Tank	1,200,000 gals	LAC 33:III.501.B.5.B.40
20D-5	Regular Caustic Storage Tank	1,200,000 gals	LAC 33:III.501.B.5.B.40
20D-6	Regular Caustic Storage Tank	1,200,000 gals	LAC 33:III.501.B.5.B.40
20D-7	Regular Caustic Storage Tank	1,200,000 gals	LAC 33:III.501.B.5.B.40
20D-8	Regular Caustic Storage Tank	1,200,000 gals	LAC 33:III.501.B.5.B.40
20D-9	Regular Caustic Storage Tank	1,200,000 gals	LAC 33:III.501.B.5.B.40
--	Emissions from Fire-Fighting Training	N/A	LAC 33:III.501.B.5.B.41
--	Portable Diesel Fuel Storage Tanks Used on a Temporary Basis for Maintenance or Construction Activities	N/A	LAC 33:III.501.B.5.B.44
--	Emissions from Two (2) Hydrogen Vent Stacks Located Adjacent to the Cell Room	N/A	LAC 33:III.501.B.5.C

\* Assumed to have the same properties as Diesel (No. 2 Fuel Oil).

AIR PERMIT BRIEFING SHEET  
AIR PERMITS DIVISION  
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

OXYCHEM CONVENT FACILITY

AGENCY INTEREST NO.: 3544

OCCIDENTAL CHEMICAL CORPORATION - BASIC CHEMICALS GROUP  
CONVENT, ST. JAMES PARISH, LOUISIANA

X Applicable Louisiana and Federal Air Quality Requirements

LAC 33:III:Chapter

ID No.	Description	5'	9'	11'	13'	15'	17'	2103	2104'	2107	2108	2109	2111	2113	2115	2121	2123	2131	2147	2151	2153'	22'	29'	51'	56'	59'	
-	OxyChem Convent Facility	1	1	1	1	1	1					3	3	3	3	1	1	3	1	3	3	3	3	1	1	1	
01-78	HCl Fume Scrubber																										
02-78	Cl <sub>2</sub> Seal/Pot Scrubber																										
04-78	Cl <sub>2</sub> Neutralization Tanks																										
05-78	Solvent Storage Tank, 6D-8																										
07-78 <sup>2</sup>	Boiler F-1	3	1	1	1																						
08-78 <sup>2</sup>	Boiler F-6	3	1	1	1																						
09-78 <sup>2</sup>	Boiler F-5	3	1	1	1																						
17-78 <sup>2</sup>	Carbonation Tower, 38C-2	1	1	1	1																						
18-78 <sup>2</sup>	Carbonation Tower, 38C-1	1	1	1	1																						
-	Wastewater Holding Tank, 6D-4																										
-	By-Product Storage Tank, 6D-3																										
-	EDC Storage Tanks, 20D- 1, 20D-2, & 20D-3																										
-	EDC Storage Tanks, 20D-11 & 20D-12																										
-	Crude EDC Tanks, 6D-1A & 6D-1B																										
-	By-Product Tank, 6D-6																										
-	Wet Rework Tank, 6D-7																										
-	EDC Sump Tank, 6D-12																										

AIR PERMIT BRIEFING SHEET  
AIR PERMITS DIVISION

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

OXYCHEM CONVENT FACILITY

AGENCY INTEREST NO.: 3544

OCCIDENTAL CHEMICAL CORPORATION - BASIC CHEMICALS GROUP  
CONVENT, ST. JAMES PARISH, LOUISIANA

X. Applicable Louisiana and Federal Air Quality Requirements

LAC 33:III.Chapter

ID No.	Description	5 <sup>1</sup>	9	11	13	15	17	2103	2104 <sup>1</sup>	2107	2108	2109	2111	2113	2115	2121	2123	2131	2147	2151	2153 <sup>1</sup>	22	29 <sup>1</sup>	51 <sup>1</sup>	56	59
-	EDC Distillation Unit																									
-	EDC Reactors																									
	Contaminated Storm Water Tank																									
13-78																										
20-78	Gasoline Storage Tank																									
22-85	Plant Wide Fugitives																									
26-91	Cathode Electrical Oven																									
28-92	Spent Sulfuric Acid Tank, 23C-1A																									
29-92	Spent Sulfuric Acid Tank, 23C-1B																									
30-92	Spent Sulfuric Acid Tank, 35C-5																									
31-92	Spent Sulfuric Acid Tank, 32D-12																									
32-93	Spent Sulfuric Acid Tank, 6C-35																									
44-96	Wastewater Secondary Emissions																									
49-97	Cooling Towers																									
50-02	Diesel Engines																									
52-05	Cell Renewal Glove Box																									
53-05	Strong Acid Tank, 3C-6A																									
54-05	Strong Acid Tank, 3C-6B																									

**AIR PERMIT BRIEFING SHEET**  
**AIR PERMITS DIVISION**  
**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

OXYCHEM CONVENT FACILITY

AGENCY INTEREST NO.: 3544

OCCIDENTAL CHEMICAL CORPORATION – BASIC CHEMICALS GROUP  
CONVENT, ST. JAMES PARISH, LOUISIANA

**X. Applicable Louisiana and Federal Air Quality Requirements**

ID No.	Description	LAC 33:III.Chapter																											
		5'	9	11	13	15	17	2103	2104*	2107	2108	2109	2111	2113	2115	2121	2123	2131	2147	2151	2153*	22	29*	51*	56	59			
55-05	Brine Head Flushes																												

- The regulations indicated above are State Only regulations.
  - 1 LAC 33:III.501.C.6 citations are federally enforceable except when it specifically states the regulation is State Only.
  - 2 Included in Boiler Emissions Cap (CAP1-05)
  - 3 LAC 33:III.5151, Subchapter M – Emission Standard for Asbestos

**KEY TO MATRIX**

- 1 - The regulations have applicable requirements which apply to this particular emission source.
  - The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 - The regulations have applicable requirements which apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criteria, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 - The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank – The regulations clearly do not apply to this type of emission source.

AIR PERMIT BRIEFING SHEET  
AIR PERMITS DIVISION

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

OXYCHEM CONVENT FACILITY

AGENCY INTEREST NO.: 3544

OCCIDENTAL CHEMICAL CORPORATION - BASIC CHEMICALS GROUP  
CONVENT, ST. JAMES PARISH, LOUISIANA

**X. Applicable Louisiana and Federal Air Quality Requirements**

ID No.	Description	NSPS 40 CFR 60												NESHAP												40 CFR Part					
		A	D	D	b	c	D	K	G	V	N	R	A	F	M	FF	A	F	G	H	Q	Y	Z	D	Z	D	Z	D	6	6	8
-	OxyChem Convent Facility	1											1	3	1	2	3	3	3	3	3	3	3	3	3	3	1	1	1		
01-78	HCl Fume Scrubber																												3	3	3
02-78	Cl <sub>2</sub> Seal Pot Scrubber																														
04-78	Cl <sub>2</sub> Neutralization Tanks																														
05-78	Solvent Storage Tank, 6D-8																														
07-78 [CAPI-05]	Boiler F-1	3	3																										3	1	
08-78 [CAPI-05]	Boiler F-6	3	3																										3	1	
09-78 [CAPI-05]	Boiler F-5	3	3																										3	1	
17-78 [CAPI-05]	Carbonation Tower, 38C-2	3	3																										1	1	
18-78 [CAPI-05]	Carbonation Tower, 38C-1	3	3																										1	1	
-	Wastewater Holding Tank, 6D-4																														
-	By-Product Storage Tank, 6D-3																														
-	EDC Storage Tanks, 20D-1, 20D-2, & 20D-3																														
-	EDC Storage Tanks, 20D-11 & 20D-12																														
-	Crude EDC Tanks, 6D-1A & 6D-1B																														
-	By-Product Tank, 6D-6																														
-	Wet Rework Tank, 6D-7																														
-	EDC Sump Tank, 6D-12																														
-	EDC Distillation Unit																												3	3	

AIR PERMIT BRIEFING SHEET  
 AIR PERMITS DIVISION  
 LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

OXYCHEM CONVENT FACILITY  
 AGENCY INTEREST NO.: 3544  
 OCCIDENTAL CHEMICAL CORPORATION - BASIC CHEMICALS GROUP  
 CONVENT, ST. JAMES PARISH, LOUISIANA

**X. Applicable Louisiana and Federal Air Quality Requirements**

ID No.	Description	NSPS 40 CFR 60						40CFR 61						NESHAP						40 CFR 63						40 CFR Part					
		A	D	D	K	G	V	N	R	V	N	R	A	F	M	FF	A	F	G	H	Q	Y	Z	D	Z	D	Z	D	6	6	8
-	EDC Reactors																														
13-78	Contaminated Storm Water Tank																														
20-78	Gasoline Storage Tank																														
22-85	Plant Wide Fugitives																														
26-91	Cathode Electrical Oven																														
28-92	Spent Sulfuric Acid Tank, 23C-1A																														
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44-96	Wastewater Secondary Emissions																														
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54-05	Strong Acid Tank, 3C-6B																														
55-05	Brine Head Flushes																														

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**OXYCHEM CONVENT FACILITY  
AGENCY INTEREST NO.: 3544  
OCCIDENTAL CHEMICAL CORPORATION - BASIC CHEMICALS GROUP  
CONVENT, ST. JAMES PARISH, LOUISIANA**

**KEY TO MATRIX**

- 1    -The regulations have applicable requirements which apply to this particular emission source.  
      -The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2    -The regulations have applicable requirements which apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criteria, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3    -The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank – The regulations clearly do not apply to this type of emission source.

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**OXYCHEM CONVENT FACILITY**  
AGENCY INTEREST NO.: 3544  
**OCCIDENTAL CHEMICAL CORPORATION – BASIC CHEMICALS GROUP**  
**CONVENT, ST. JAMES PARISH, LOUISIANA**

**XI. Explanation for Exemption Status or Non-Applicability of a Source**

ID No:	Requirement	Compliance Method/Provision	Notes
GRP004	LAC 33:III.1503.C Emission Standards for Sulfur Dioxide	<b>EXEMPT.</b> Facility emits less than 250 tpy of sulfur compounds measure as sulfur dioxide and is exempt from the 2,000 ppm(v) limitation.	Facility is permitted to emit 2.60 tpy of sulfur dioxide.
	LAC 33:III.1511 Emission Standards for Sulfur Dioxide	<b>DOES NOT APPLY.</b> Continuous monitoring for sulfur dioxide is not required for flares and sources emitting less than 100 tpy of sulfur dioxide into the atmosphere. [LAC 33:III.1511.A]	Facility is permitted to emit 2.60 tpy of sulfur dioxide.
	LAC 33:III.2107 Control of Emissions of Organic Compounds: VOC Loading	<b>DOES NOT APPLY.</b> Facility does not operate a loading facility for tanks, trucks, or trailers which have individual capacities in excess of 200 gallons. [LAC 33:III.2107.A.1]	
	LAC 33:III.2108 Control of Emissions of Organic Compounds: Marine Vapor Recovery	<b>DOES NOT APPLY.</b> Facility marine loading does not have VOC emissions of 100 tpy. [LAC 33:III.2108.A]	
	LAC 33:III.2109.A Control of Emissions of Organic Compounds: Oil/Water – Separation	<b>EXEMPT.</b> Facility is located in St. James Parish and does not operate an oil/water separator which emits 100 tpy or more of regulated hydrocarbons. [LAC 33:III.2109.B.4]	
	LAC 33:III.2115 Control of Emissions of Organic Compounds: Waste Gas Disposal	<b>DOES NOT APPLY.</b> Facility is located in St. James Parish and emits less than 100 TPY VOC. [LAC 33:III.2115]	

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**OXYCHEM CONVENT FACILITY  
AGENCY INTEREST NO.: 3544  
OCCIDENTAL CHEMICAL CORPORATION - BASIC CHEMICALS GROUP  
CONVENT, ST. JAMES PARISH, LOUISIANA**

**XI. Explanation for Exemption Status or Non-Applicability of a Source**

ID No:	Requirement	Compliance Method/Provision	Notes
<i>(continued)</i> <b>GRP004</b> OxyChem Convent Facility	LAC 33:III.2123 Organic Solvents	<b>DOES NOT APPLY.</b> Facility does not use organic solvents having an organic solvent emission of more than 3 lbs/hr or 15 lbs/day. [LAC 33:III.2123.A]	
LAC 33:III.2147 Limiting Volatile Organic Compound Emissions from SOCMI Reactor Processes and Distillation Operations		<b>DOES NOT APPLY.</b> Facility is located in St. James Parish, which is not an affected parish for this regulation. [LAC 33:III.2147.A.1]	
LAC 33:III.2151 Limiting Volatile Organic Compound Emissions from Cleanup Solvent Processing		<b>DOES NOT APPLY.</b> Facility is located in St. James Parish, which is not an affected parish for this regulation. [LAC 33:III.2151.A]	
LAC 33:III.2153 Limiting Volatile Organic Compound Emissions from Industrial Wastewater		<b>DOES NOT APPLY.</b> Facility is located in St. James Parish, which is not an affected parish for this regulation. [LAC 33:III.2153.A]	
LAC 33:III.2201 Control of Emissions of Nitrogen Oxides (NO <sub>x</sub> )		<b>DOES NOT APPLY.</b> Facility is not located in the Baton Rouge Non-Attainment Area or in the Region of Influence. [LAC 33:III.2201.A.1]	

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**OXYCHEM CONVENT FACILITY**  
**AGENCY INTEREST NO.: 3544**  
**OCCIDENTAL CHEMICAL CORPORATION – BASIC CHEMICALS GROUP**  
**CONVENT, ST. JAMES PARISH, LOUISIANA**

**XI. Explanation for Exemption Status or Non-Applicability of a Source**

ID No:	Requirement	Compliance Method/Provision	Notes
<i>(continued)</i> <b>GRP004</b> OxyChem Convent Facility	LAC 33:III.5109 Emission Control and Reduction Requirements and Standards	<b>DOES NOT APPLY.</b> The OxyChem Convent Facility does not meet the definition of a "major source" as defined in LAC 33:III.5103.A; the requirements of this Section 5109 do not apply, but the requirements of LAC 33:III.5105.A; 5107.A, B, and C; 5111.A.4; and 5113 apply since the facility was a major source upon promulgation of LAC 33:III Chapter 51, Subchapter A, but has achieved minor source status through reduction of emissions and reduction of potential to emit. [LAC 33:III.5101.A]	Facility does not emit 10 tpy of a single LTAP or a total of 25 tpy of any combination of LTAPs.
	NSPS 40 CFR Subpart NNN Standards of Performance for VOC Emissions from SOCMI Distillation Operations	<b>DOES NOT APPLY.</b> Facility has not been constructed, modified, or reconstructed after December 30, 1983. [40 CFR 60.660(b)]	
	NSPS 40 CFR 60 Subpart RRR Standards of Performance for VOC Emissions from SOCMI Reactor Processes	<b>DOES NOT APPLY.</b> Facility has not been constructed, modified, or reconstructed after June 29, 1990. [40 CFR 60.700(b)]	
	NESHAP 40 CFR 61 Subpart F National Emission Standards for Vinyl Chloride	<b>DOES NOT APLY.</b> Facility does not produce EDC by reaction of oxygen and hydrogen chloride with ethylene. [40 CFR 61.60(a)(1)]	Facility produces EDC by the direct chlorination process.
	NESHAP 40 CFR 61 Subpart FF National Emission Standard for Benzene Waste Operations	<b>EXEMPT.</b> Facilities which emit less than 10 Mg/yr (11 TPY) of total annual benzene from facility waste are exempt from the requirements of 40 CFR 61.342(b) and (c). [40 CFR 61.342(a)]	Facility emits less than 1 Mg/yr of total annual benzene in facility waste.

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**OXYCHEM CONVENT FACILITY**  
**AGENCY INTEREST NO.: 3544**  
**OCCIDENTAL CHEMICAL CORPORATION – BASIC CHEMICALS GROUP**  
**CONVENT, ST. JAMES PARISH, LOUISIANA**

**XI. Explanation for Exemption Status or Non-Applicability of a Source**

ID No:	Requirement	Compliance Method/Provision	Notes
(continued) GRP004 OxyChem Convent Facility	NESHAP 40 CFR 63 Subpart A National Emission Standards for Hazardous Air Pollutants for Source Categories: General Provisions	DOES NOT APPLY. Facility is not subject to any NESHAP 40 CFR 63 Subparts and is not a major source of HAPs.	
	NESHAP 40 CFR 63 Subpart F National Emission Standards for Organic Hazardous Air Pollutants from SOCMII Facilities	DOES NOT APPLY. Facility does not meet the definition of a major source as defined in section 112(a) of the Clean Air Act Amendments. [40 CFR 63.100(b)(3)]	
	HON 40 CFR 63 Subpart G National Emission Standards for Organic Hazardous Air Pollutants from SOCMII Facilities for Process Vents, Storage Vessels, Transfer Operations, and Wastewater: Process Vent Provisions – Non-halogenated Compounds	DOES NOT APPLY. Facility does not meet the definition of a major source as defined in section 112(a) of the Clean Air Act Amendments. [40 CFR 63.100(b)(3)]	
	HON 40 CFR 63 Subpart H National Emission Standards for Organic Hazardous Air Pollutants for Equipment Leaks	DOES NOT APPLY. Facility does not meet the definition of a major source as defined in section 112(a) of the Clean Air Act Amendments. [40 CFR 63.100(b)(3)]	
	NESHAP 40 CFR 63 Subpart DDDDD National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters	DOES NOT APPLY. Facility is not a major source of HAPs as defined in 40 CFR 63.2. [40 CFR 63.7485]	
EQT001 01-78 HCL Fume Scrubber	40 CFR 64 Compliance Assurance Monitoring (CAM)	DOES NOT APPLY. A control device is not used to achieve compliance with an emission limitation or standard. [40 CFR 64.2(a)(2)]	

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

OXYCHEM CONVENT FACILITY  
 AGENCY INTEREST NO.: 3544  
**OCCIDENTAL CHEMICAL CORPORATION – BASIC CHEMICALS GROUP  
 CONVENT, ST. JAMES PARISH, LOUISIANA**

**XI. Explanation for Exemption Status or Non-Applicability of a Source**

ID No:	Requirement	Compliance Method/Provision	Notes
EQT002 02-78 Chlorine Seal Pot Scrubber	40 CFR 64 Compliance Assurance Monitoring (CAM)	<b>DOES NOT APPLY.</b> A control device is not used to achieve compliance with an emission limitation or standard. [40 CFR 64.2(a)(2)]	
EQT003 04-78 Emergency CL2 Neutralization Tanks	LAC 33.III.2103 Control of Emissions of Organic Compounds: Storage of VOCs	<b>DOES NOT APPLY.</b> Tanks do not store a volatile organic compound (VOC). [LAC 33.III.2103.B]	Tanks contain sodium hydroxide.
	NSPS 40 CFR 60 Subpart Kb Standards of Performance for Volatile Organic Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984	<b>DOES NOT APPLY.</b> Tanks do not store a volatile organic liquid (VOL). [40 CFR 60.110b(a)]	Tanks contain sodium hydroxide.
EQT004 05-78 Solvent Storage Tank, 6D-8	LAC 33.III.2103 Control of Emissions of Organic Compounds: Storage of VOCs	<b>DOES NOT APPLY.</b> Source stores a liquid having a maximum true vapor pressure of less than 1.5 psia at storage conditions. [LAC 33.III.2103.A]	Tank capacity is 10,054 gallons.
	NSPS 40 CFR 60 Subpart Kb Standards of Performance for Volatile Organic Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984	<b>DOES NOT APPLY.</b> Source was not constructed, reconstructed, or modified after July 23, 1984. [40 CFR 60.110b(a)]	Tank was constructed in April 1981.
EQT005 07-78 F-1 Boiler	LAC 33.III.915 General Regulations on Control of Emissions and Emissions Standards - Emission Monitoring Requirements	<b>DOES NOT APPLY.</b> Boiler does not meet the 40 CFR 51, Appendix P definitions requiring continuous monitoring. [LAC 33.III.915.A]	

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**OXYCHEM CONVENT FACILITY**  
**AGENCY INTEREST NO.: 3544**  
**OCCIDENTAL CHEMICAL CORPORATION – BASIC CHEMICALS GROUP**  
**CONVENT, ST. JAMES PARISH, LOUISIANA**

**XI. Explanation for Exemption Status or Non-Applicability of a Source**

ID No:	Requirement	Compliance Method/Provision	Notes
(continued) EQT005 07-78 F-1 Boiler	LAC 33:III.1503 Emission Standards for Sulfur Dioxide – Emission Limitations	<b>EXEMPT.</b> Units emitting less than 250 tons per year (TPY) of sulfur dioxide may be exempted from the 2,000 ppm(v) limitation. [LAC 33:III.1503.C]	The OxyChem Convent Facility emits 2.60 TPY of sulfur dioxide.
	LAC 33:III.1511 Emission Standards for Sulfur Dioxide – Continuous Emissions Monitoring	<b>DOES NOT APPLY.</b> Continuous monitoring is not required for sources emitting less than 100 TPY of sulfur dioxide into the atmosphere. [LAC 33:III.1511.A]	The OxyChem Convent Facility emits 2.60 TPY of sulfur dioxide.
	NSPS 40 CFR 60 Subpart D Standards of Performance for Fossil-Fuel-Fired Steam Generators for Which Construction Commenced After August 17, 1971	<b>DOES NOT APPLY.</b> Boiler has a fossil-fuel heat input of less than 250 MM Btu/hr. [40 CFR 60.40(a)(1)]	The maximum “fossil-fuel” heat input is 182.9 MM BTU/hr.
	NSPS 40 CFR 60 Subpart Db Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units	<b>DOES NOT APPLY.</b> Boiler did not commence construction, modification, or reconstruction after June 19, 1984. [40 CFR 60.40b(a)]	Boiler was constructed in April 1981.
	NESHAP 40 CFR 63 Subpart DDDDD National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters	<b>DOES NOT APPLY.</b> Facility is not a major source of HAPs as defined in 40 CFR 63.2. [40 CFR 63.7485]	
EQT006 08-78 F-6 Boiler	LAC 33:III.915 General Regulations on Control of Emissions and Emissions Standards - Emission Monitoring Requirements	<b>DOES NOT APPLY.</b> Boiler does not meet the 40 CFR 51, Appendix P definitions requiring continuous monitoring. [LAC 33:III.915.A]	
	LAC 33:III.1503 Emission Standards for Sulfur Dioxide – Emission Limitations	<b>EXEMPT.</b> Units emitting less than 250 tons per year (TPY) of sulfur dioxide may be exempted from the 2,000 ppm(v) limitation. [LAC 33:III.1503.C]	The OxyChem Convent Facility emits 2.60 TPY of sulfur dioxide.

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**OXYCHEM CONVENT FACILITY**  
**AGENCY INTEREST NO.: 3544**  
**OCCIDENTAL CHEMICAL CORPORATION – BASIC CHEMICALS GROUP**  
**CONVENT, ST. JAMES PARISH, LOUISIANA**

**XI. Explanation for Exemption Status or Non-Applicability of a Source**

ID No:	Requirement	Compliance Method/Provision	Notes
(continued) EQT006 08-78 F-6 Boiler	LAC 33:III.1511 Emission Standards for Sulfur Dioxide – Continuous Emissions Monitoring	<b>DOES NOT APPLY.</b> Continuous monitoring is not required for sources emitting less than 100 TPY of sulfur dioxide into the atmosphere. [LAC 33:III.1511.A]	The OxyChem Convent Facility emits 2.60 TPY of sulfur dioxide.
	NSPS 40 CFR 60 Subpart D Standards of Performance for Fossil-Fuel-Fired Steam Generators for Which Construction Commenced After August 17, 1971	<b>DOES NOT APPLY.</b> Boiler has a fossil-fuel heat input of less than 250 MM Btu/hr. [40 CFR 60.40(a)(1)]	The maximum “fossil-fuel” heat input is 61.2 MM BTU/hr.
	NSPS 40 CFR 60 Subpart Db Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units	<b>DOES NOT APPLY.</b> Boiler did not commence construction, modification, or reconstruction after June 19, 1984. [40 CFR 60.40b(a)]	Boiler was constructed in April 1981.
	NESHAP 40 CFR 63 Subpart DDDDD National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters	<b>DOES NOT APPLY.</b> Facility is not a major source of HAPs as defined in 40 CFR 63.2. [40 CFR 63.7485]	
EQT007 09-78 F-5 Boiler	IAC 33:III.915 General Regulations on Control of Emissions and Emissions Standards - Emission Monitoring Requirements	<b>DOES NOT APPLY.</b> Boiler does not meet the 40 CFR 51, Appendix P definitions requiring continuous monitoring. [LAC 33:III.915.A]	
	LAC 33:III.1503 Emission Standards for Sulfur Dioxide – Emission Limitations	<b>EXEMPT.</b> Units emitting less than 250 tons per year (TPY) of sulfur dioxide may be exempted from the 2,000 ppm(y) limitation. [LAC 33:III.1503.C]	The OxyChem Convent Facility emits 2.60 TPY of sulfur dioxide.
	LAC 33:III.1511 Emission Standards for Sulfur Dioxide – Continuous Emissions Monitoring	<b>DOES NOT APPLY.</b> Continuous monitoring is not required for sources emitting less than 100 TPY of sulfur dioxide into the atmosphere. [LAC 33:III.1511.A]	The OxyChem Convent Facility emits 2.60 TPY of sulfur dioxide.

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**OXYCHEM CONVENT FACILITY**  
**AGENCY INTEREST NO.: 3544**  
**occidental chemical corporation – basic chemicals group**  
**convent, st. james parish, Louisiana**

**XI. Explanation for Exemption Status or Non-Applicability of a Source**

ID No:	Requirement	Compliance Method/Provision	Notes
(continued) EQT007 09-78 F-5 Boiler	NSPS 40 CFR 60 Subpart D Standards of Performance for Fossil-Fuel-Fired Steam Generators for Which Construction Commenced After August 17, 1971	<b>DOES NOT APPLY.</b> Boiler has a fossil-fuel heat input of less than 250 MM Btu/hr. [40 CFR 60.40(a)(1)]	The maximum "fossil-fuel" heat input is 63.6 MM BTU/hr.
	NSPS 40 CFR 60 Subpart Db Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units	<b>DOES NOT APPLY.</b> Boiler did not commence construction, modification, or reconstruction after June 19, 1984. [40 CFR 60.40(b)(a)]	Boiler was constructed in April 1981.
	NESHAP 40 CFR 63 Subpart DDDDD National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters	<b>DOES NOT APPLY.</b> Facility is not a major source of HAPs as defined in 40 CFR 63.2. [40 CFR 63.7485]	
EQT011 17-78 Carbonation Tower, 38C-2	LAC 33:III.1503 Emission Standards for Sulfur Dioxide – Emission Limitations	<b>EXEMPT.</b> Units emitting less than 250 tons per year (TPY) of sulfur dioxide may be exempted from the 2,000 ppm(v) limitation. [LAC 33:III.1503.C]	The OxyChem Convent Facility emits 2.60 TPY of sulfur dioxide.
	LAC 33:III.1511 Emission Standards for Sulfur Dioxide – Continuous Emissions Monitoring	<b>DOES NOT APPLY.</b> Continuous monitoring is not required for sources emitting less than 100 TPY of sulfur dioxide into the atmosphere. [LAC 33:III.1511.A]	The OxyChem Convent Facility emits 2.60 TPY of sulfur dioxide.
EQT012 18-78 Carbonation Tower, 38C-1	LAC 33:III.1503 Emission Standards for Sulfur Dioxide – Emission Limitations	<b>EXEMPT.</b> Units emitting less than 250 tons per year (TPY) of sulfur dioxide may be exempted from the 2,000 ppm(v) limitation. [LAC 33:III.1503.C]	The OxyChem Convent Facility emits 2.60 TPY of sulfur dioxide.
	LAC 33:III.1511 Emission Standards for Sulfur Dioxide – Continuous Emissions Monitoring	<b>DOES NOT APPLY.</b> Continuous monitoring is not required for sources emitting less than 100 TPY of sulfur dioxide into the atmosphere. [LAC 33:III.1511.A]	The OxyChem Convent Facility emits 2.60 TPY of sulfur dioxide.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

OXYCHEM CONVENT FACILITY  
 AGENCY INTEREST NO.: 3544  
 OCCIDENTAL CHEMICAL CORPORATION – BASIC CHEMICALS GROUP  
 CONVENT, ST. JAMES PARISH, LOUISIANA

XI. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Compliance Method/Provision	Notes
EQT009 Wastewater Holding Tank, 6D-4	LAC 33.III.2103 Control of Emissions of Organic Compounds: Storage of VOCs	<b>DOES NOT APPLY.</b> Tank stores a liquid having a maximum true vapor pressure of less than 1.5 psia at storage conditions. [LAC 33.III.2103.B]	Tank volume is 508,370 gallons.
	NSPS 40 CFR 60 Subpart Kb Standards of Performance for Volatile Organic Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984	<b>DOES NOT APPLY.</b> Tank was not constructed, reconstructed, or modified after July 23, 1984. [40 CFR 60.110b(a)]	Tank was constructed in April 1981.
EOT010 By-Product Storage Tank, 6D-3	LAC 33.III.2103.B Control of Emissions of Organic Compounds: Storage of VOCs	<b>DOES NOT APPLY.</b> Tank does not store a volatile organic compound.	Tank volume is 128,851 gals.
	40 CFR 60 Subpart Kb Standards of Performance for Volatile Organic Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984	<b>DOES NOT APPLY.</b> Tank was not constructed, reconstructed, or modified after July 23, 1984. [40 CFR 60.110b(a)]	Tank was constructed in April 1981.
EQT020, EQT021, EQT022 EDC Storage Tanks, 20D-1, 20D-2, & 20D-3	40 CFR 60 Subpart Kb Standards of Performance for Volatile Organic Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984	<b>DOES NOT APPLY.</b> Tanks were not constructed, reconstructed, or modified after July 23, 1984. [40 CFR 60.110b(a)]	Tanks were constructed in April 1981.
EQT025, EQT026 Crude EDC Tanks, 6D-1A & 6D-1B	40 CFR 60 Subpart Kb Standards of Performance for Volatile Organic Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984	<b>DOES NOT APPLY.</b> Tanks were not constructed, reconstructed, or modified after July 23, 1984. [40 CFR 60.110b(a)]	Tanks were constructed in April 1981.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

OXYCHEM CONVENT FACILITY  
 AGENCY INTEREST NO.: 3544  
 OCCIDENTAL CHEMICAL CORPORATION – BASIC CHEMICALS GROUP  
 CONVENT, ST. JAMES PARISH, LOUISIANA

XI. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Compliance Method/Provision	Notes
EQT027 By-Product Tank, 6D-6	LAC 33.III.2103 Control of Emissions of Organic Compounds: Storage of VOCs	<b>DOES NOT APPLY.</b> Tank stores a liquid having a maximum true vapor pressure of less than 1.5 psia at storage conditions. [LAC 33.III.2103.B]	Tank volume is 61,105 gallons.
	40 CFR 60 Subpart Kb Standards of Performance for Volatile Organic Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984	<b>DOES NOT APPLY.</b> Tank was not constructed, reconstructed, or modified after July 23, 1984. [40 CFR 60.110b(a)]	Tank was constructed in April 1981.
EQT028 Wet Rework Tank, 6D-7	40 CFR 60 Subpart Kb Standards of Performance for Volatile Organic Liquid Storage Vessels for Which Construction, Reconstruction,' or Modification Commenced after July 23, 1984	<b>DOES NOT APPLY.</b> Tank was not constructed, reconstructed, or modified after July 23, 1984. [40 CFR 60.110b(a)]	Tank was constructed in April 1981.
EQT029 EDC Sump Tank, 6D-12	LAC 33.III.2103 Control of Emissions of Organic Compounds: Storage of VOCs	<b>DOES NOT APPLY.</b> Tank stores a liquid having a maximum true vapor pressure of less than 1.5 psia at storage conditions. [LAC 33.III.2103.A]	Tank volume is 14,156 gallons.
	40 CFR 60 Subpart Kb Standards of Performance for Volatile Organic Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984	<b>DOES NOT APPLY.</b> Tank volume is less than 75 cubic meters (19,813 gallons). [40 CFR 60.110b(a)]	Tank volume is 14,156 gallons.
EQT032 EDC Distillation Unit	40 CFR 60 Subpart NNN Standards of Performance for VOC Emissions from SOCM1 Distillation Operations	<b>DOES NOT APPLY.</b> Distillation Units were not constructed, modified, or reconstructed after December 30, 1983. [40 CFR 60.660(b)]	Distillation unit was constructed in April 1981.

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**OXYCHEM CONVENT FACILITY  
AGENCY INTEREST NO.: 3544  
OCCIDENTAL CHEMICAL CORPORATION – BASIC CHEMICALS GROUP  
CONVENT, ST. JAMES PARISH, LOUISIANA**

**XI. Explanation for Exemption Status or Non-Applicability of a Source**

ID No:	Requirement	Compliance Method/Provision	Notes
EQT031 EDC Reactors	40 CFR 60.700 Subpart RRR Standards of Performance for VOC Emissions from SOCMi Reactor Processes	DOES NOT APPLY. EDC Reactors were not constructed, modified, or reconstructed after June 29, 1990. [40 CFR 60.700(b)]	Reactors were constructed in April 1981.
EQT008 13-78 Contaminated Stormwater Tank	LAC 33.III.2103 Control of Emissions of Organic Compounds: Storage of VOCs	DOES NOT APPLY. Tank does not store VOCs. [LAC 33:III.2103.A]	
EQT013 20-78 Gasoline Storage Tank	40 CFR 60 Subpart Kb Standards of Performance for Volatile Organic Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984	DOES NOT APPLY. Tank does not store VOCs. [40 CFR 60.110b(a)]	
EQT013 20-78 Gasoline Storage Tank	LAC 33.III.2131 Control of Emissions of Organic Compounds: Filling of Gasoline Storage Vessels	EXEMPT. Gasoline throughput is less than 500,000 gallons per year. [LAC 33:III.2131.D.3]	
EQT013 20-78 Gasoline Storage Tank	40 CFR 60 Subpart Kb Standards of Performance for Volatile Organic Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984	DOES NOT APPLY. Tank was not constructed, reconstructed, or modified after July 23, 1984. [40 CFR 60.110b(a)]	Tank was constructed in April 1981.
FUG001 22-85 Plantwide Fugitive Emissions	LAC 33.III.2108 Marine Vapor Recovery	DOES NOT APPLY. Facility marine loading emissions are less than 100 TPY. [LAC 33:III.2108.A]	Plant-wide fugitives include emissions from marine loading operations.

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**OXYCHEM CONVENT FACILITY**  
**AGENCY INTEREST NO.: 3544**  
**OCCIDENTAL CHEMICAL CORPORATION – BASIC CHEMICALS GROUP**  
**CONVENT, ST. JAMES PARISH, LOUISIANA**

**XI. Explanation for Exemption Status or Non-Applicability of a Source**

ID No:	Requirement	Compliance Method/Provision	Notes
(continued) <b>FUG001</b> 22-85 Plantwide Fugitive Emissions	40 CFR 63 Subpart Y National Emission Standards for Marine Tank Vessel Loading Operations	<b>DOES NOT APPLY.</b> Existing facilities with emissions less than 10 tons per year of any individual HAP or 25 tons per year of any combination of HAPs are not subject to the emission standards of 40 CFR 63.562(b) and (d), but must comply with the recordkeeping requirements of 40 CFR 63.567(j)(4) and the emission estimation requirements of 40 CFR 63.565(1). [40 CFR 63.560(a)(2) and (a)(3)]	
<b>EQT015</b> 28-92 Spent Sulfuric Acid Tank, 23C-1A	LAC 33.III.2103 Control of Emissions of Organic Compounds: Storage of VOCs	<b>DOES NOT APPLY.</b> Tank does not store VOCs. [LAC 33:III.2103.A]	Tank volume is 21,152 gallons. Tank stores spent sulfuric acid.
<b>EQT016</b> 29-92 Spent Sulfuric Acid Tank, 23C-1B	LAC 33.III.2103 Control of Emissions of Organic Compounds: Storage of VOCs	<b>DOES NOT APPLY.</b> Tank does not store VOCs. [LAC 33:III.2103.A]	Tank volume is 21,152 gallons. Tank stores spent sulfuric acid.
	40 CFR 60 Subpart Kb Standards of Performance for Volatile Organic Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984	<b>DOES NOT APPLY.</b> Tank does not store VOCs. [40 CFR 60.110b(a)]	Tank volume is 21,152 gallons. Tank stores spent sulfuric acid.
	40 CFR 60 Subpart Kb Standards of Performance for Volatile Organic Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984	<b>DOES NOT APPLY.</b> Tank does not store VOCs. [40 CFR 60.110b(a)]	Tank volume is 21,152 gallons. Tank stores spent sulfuric acid.

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**OXYCHEM CONVENT FACILITY**  
**AGENCY INTEREST NO.: 3544**  
**OCCIDENTAL CHEMICAL CORPORATION – BASIC CHEMICALS GROUP**  
**CONVENT, ST. JAMES PARISH, LOUISIANA**

**XI. Explanation for Exemption Status or Non-Applicability of a Source**

ID No:	Requirement	Compliance Method/Provision	Notes
EQT017 30-92 Spent Sulfuric Acid Tank, 35C-5	LAC 33.III.2103 Control of Emissions of Organic Compounds: Storage of VOCs	<b>DOES NOT APPLY.</b> Tank does not store VOCs. [LAC 33:III.2103.A]	Tank volume is 2,961 gallons. Tank stores spent sulfuric acid.
	40 CFR 60 Subpart Kb Standards of Performance for Volatile Organic Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984	<b>DOES NOT APPLY.</b> Tank does not store VOCs. [40 CFR 60.110b(a)]	Tank volume is 2,961 gallons. Tank stores spent sulfuric acid.
EQT018 31-92 Spent Sulfuric Acid Tank, 32D-12	LAC 33.III.2103 Control of Emissions of Organic Compounds: Storage of VOCs	<b>DOES NOT APPLY.</b> Tank does not store VOCs. [LAC 33:III.2103.A]	Tank volume is 2,327 gallons. Tank stores spent sulfuric acid.
	40 CFR 60 Subpart Kb Standards of Performance for Volatile Organic Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984	<b>DOES NOT APPLY.</b> Tank does not store VOCs. [40 CFR 60.110b(a)]	Tank volume is 2,327 gallons. Tank stores spent sulfuric acid.
EQT019 32-93 Spent Sulfuric Acid Tank, 6C-35	LAC 33.III.2103 Control of Emissions of Organic Compounds: Storage of VOCs	<b>DOES NOT APPLY.</b> Tank does not store VOCs. [LAC 33:III.2103.A]	Tank volume is 1,128 gallons. Tank stores spent sulfuric acid.
	40 CFR 60 Subpart Kb Standards of Performance for Volatile Organic Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984	<b>DOES NOT APPLY.</b> Tank does not store VOCs. [40 CFR 60.110b(a)]	Tank volume is 1,128 gallons. Tank stores spent sulfuric acid.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

**OXYCHEM CONVENT FACILITY**  
**AGENCY INTEREST NO.: 3544**  
**OCCIDENTAL CHEMICAL CORPORATION – BASIC CHEMICALS GROUP**  
**CONVENT, ST. JAMES PARISH, LOUISIANA**

**XI. Explanation for Exemption Status or Non-Applicability of a Source**

ID No:	Requirement	Compliance Method/Provision	Notes
EQT030 44-96 Wastewater Related Emissions	LAC 33.III.2153 Limiting VOC Emissions from Industrial Wastewater	<b>DOES NOT APPLY.</b> The Convent Facility is located in St. James Parish, which is not an affected parish for this regulation. [LAC 33.III.2153.B]	
EQT033 49-97 Cooling Towers	40 CFR 63 Subpart Q National Emission Standards for Hazardous Pollutants for Industrial Process Cooling Towers	<b>DOES NOT APPLY.</b> The Convent Facility does not use chromium-based water treatment chemicals in the cooling water or cooling towers. [40 CFR 63.400(a)]	
EQT034 50-02 Diesel Engines	LAC 33.III.1313 Emission Standards for Particulate Matter: Emissions from Fuel Burning Equipment LAC 33.III.1503.C Emission Standards for Sulfur Dioxide	<b>DOES NOT APPLY.</b> The diesel engines are not utilized for the applications listed in LAC 33.III.1313.B. <b>EXEMPT.</b> Units emitting less than 250 TPY of sulfur dioxide may be exempted from the 2,000 ppm(v) limitation.	The diesel engines are used to drive pumps. The OxyChem Convent Facility emits less than 2,60 TPY of sulfur dioxide.
	40 CFR 63 Subpart ZZZZ National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines	<b>DOES NOT APPLY.</b> Facility is not a major source of HAPs. [40 CFR 63.6585]	
EQT036 53-05 Strong Acid Tank, 3C-6A	LAC 33.III.2103 Emission Standards for Sulfur Dioxide	<b>DOES NOT APPLY.</b> Tank does not store VOCs. [LAC 33.III.2103.A]	Tank volume is 12,725 gallons. Tank stores sulfuric acid.
	40 CFR 60 Subpart Kb Standards of Performance for Volatile Organic Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984	<b>DOES NOT APPLY.</b> Tank does not store VOLs. [40 CFR 60.110b(a)]	Tank volume is 12,725 gallons. Tank stores sulfuric acid.

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**OXYCHEM CONVENT FACILITY  
AGENCY INTEREST NO.: 3544  
OCCIDENTAL CHEMICAL CORPORATION - BASIC CHEMICALS GROUP  
CONVENT, ST. JAMES PARISH, LOUISIANA**

**XI. Explanation for Exemption Status or Non-Applicability of a Source**

ID No:	Requirement	Compliance Method/Provision	Notes
EQT037 54-05 Strong Acid Tank, 3C-6B	LAC 33.III.2103 Emission Standards for Sulfur Dioxide	DOES NOT APPLY. Tank does not store VOCs. [LAC 33.III.2103.A]	Tank volume is 12,725 gallons. Tank stores sulfuric acid.
	40 CFR 60 Subpart Kb Standards of Performance for Volatile Organic Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984	DOES NOT APPLY. Tank does not store VOLs. [40 CFR 60.110b(a)]	Tank volume is 12,725 gallons. Tank stores sulfuric acid.

The above table provides explanation for both the exemption status or non-applicability of a source cited by 1, 2 or 3 in the matrix presented in Section X (Table 1) of this permit.

## **STATE-ONLY SPECIFIC CONDITIONS**

### **OXYCHEM CONVENT FACILITY**

**AGENCY INTEREST NO.: 3544**

**OCCIDENTAL CHEMICAL CORPORATION – BASIC CHEMICALS GROUP  
CONVENT, ST. JAMES PARISH, LOUISIANA**

1. The number of each type of component required to be monitored for each monitoring period under applicable leak detection and repair programs shall be reported to the LDEQ by inclusion with each periodic monitoring report. Fugitive emission piping components may be added to or removed from the permitted units, without triggering the need to apply for a permit modification, provided:
  - a. Changes in components involve routine maintenance, or are undertaken to address safety concerns, or involve small piping revisions with no associated emission increases except from the fugitive components themselves;
  - b. The changes do not involve any associated increase in production rate or capacity, or tie in of new or modified process equipment other than piping components;
  - c. Actual emissions following the changes will not exceed the emission limits contained in this permit; and
  - d. The components are promptly incorporated into any applicable leak detection and repair program.

## **40 CFR PART 70 SPECIFIC CONDITIONS**

### **OXYCHEM CONVENT FACILITY**

**AGENCY INTEREST NO.: 3544**

### **OCCIDENTAL CHEMICAL CORPORATION – BASIC CHEMICALS GROUP CONVENT, ST. JAMES PARISH, LOUISIANA**

1. Permittee shall comply with a streamlined equipment leaks monitoring program. Compliance with the streamlined program in accordance with this specific condition shall serve to comply with each of the fugitive emission monitoring programs being streamlined, as indicated in the following table. Noncompliance with the streamlined program in accordance with this specific condition may subject the permittee to enforcement action for one or more of the fugitive emissions program being streamlined.
  - a. Permittee shall apply the streamlined program to the combined universe of components subject to any of the programs being streamlined. Any component type which does not require periodic monitoring under the overall most stringent program (40 CFR 63 Subpart H – HON) shall be monitored as required by the most stringent requirements of any other program being streamlined and will not be exempted. The streamlined program will include any exemptions based on size of component available in any of the programs being streamlined.
  - b. Permittee shall use leak definitions and monitoring frequency based on the overall most stringent program. Percent leaker performance shall be calculated using the provisions of the overall most stringent program. Annual monitoring shall be defined as once every four quarters.
  - c. Permittee shall comply with recordkeeping and reporting requirements of the overall most stringent program. Semiannual reports shall be submitted on August 15 and February 15, to cover the periods January 1 through June 30 and July 1 through December 31, respectively. The semiannual reports shall include any monitoring performed within the reporting period.

Unit or Plant Site	Programs Being Streamlined	Stream Applicability	Overall Most Stringent Program
22-85 Plant-wide Fugitives	40 CFR 63 Subpart H - HON SOCMi MACT	5% VOHAP	40 CFR 63 Subpart H - HON SOCMi MACT Phase III
	LAC 33.III.2121 - VOC Control	10% VOC	
	40 CFR 60 Subpart VV - NSPS	10% VOC	
	40 CFR 264 Subpart BB & CC - RCRA	> 100 ppm VOC	

## 40 CFR PART 70 GENERAL CONDITIONS

- A. The term of this permit shall be five (5) years from date of issuance. An application for a renewal of this 40 CFR Part 70 permit shall be submitted to the administrative authority no later than six months prior to the permit expiration date. Should a complete permit application not be submitted six months prior to the permit expiration date, a facility's right to operate is terminated pursuant to 40 CFR Section 70.7(c)(ii). Operation may continue under the conditions of this permit during the period of the review of the application for renewal. [LAC 33:III.507.E.1, E.3, E.4, reference 40 CFR 70.6(a)(2)]
- B. The conditions of this permit are severable; and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby. [Reference 40 CFR 70.6(a)(5)]
- C. Permittee shall comply with all conditions of the 40 CFR Part 70 permit. Any permit noncompliance constitutes a violation of the Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [LAC 33:III.507.B.2, reference 40 CFR 70.6(a)(6)(i) & (iii)]
- D. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [Reference 40 CFR 70.6(a)(6)(ii)]
- E. This permit does not convey any property rights of any sort, or an exclusive privilege. [Reference 40 CFR 70.6(a)(6)(iv)]
- F. The permittee shall furnish to the permitting authority, within a reasonable time, any information that the permitting authority may request in writing to determine whether cause exists for modifying, revoking, and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the permitting authority copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality. A claim of confidentiality does not relieve the permittee of the requirement to provide the information. [LAC 33:III.507.B.2, 517.F, reference 40 CFR 70.6(a)(6)(v)]
- G. Permittee shall pay fees in accordance with LAC 33:III.Chapter 2 and 40 CFR Section 70.6(a)(7). [LAC 33:III.501.C.2, reference 40 CFR 70.6(a)(7)]

## 40 CFR PART 70 GENERAL CONDITIONS

- H. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the permitting authority or authorized representative to perform the following:
  - 1. enter upon the permittee's premises where a 40 CFR Part 70 source is located or emission-related activity is conducted, or where records must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(i)];
  - 2. have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(ii)];
  - 3. inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iii)]; and
  - 4. as authorized by the Clean Air Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iv)]
- I. All required monitoring data and supporting information shall be kept available for inspection at the facility or alternate location approved by the agency for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Supporting information includes calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and all reports required by the permit.  
[Reference 40 CFR 70.6(a)(3)(ii)(B)]
- J. Records of required monitoring shall include the following:
  - 1. the date, place as defined in the permit, and time of sampling or measurements;
  - 2. the date(s) analyses were performed;
  - 3. the company or entity that performed the analyses;
  - 4. the analytical techniques or methods used;
  - 5. the results of such analyses; and
  - 6. the operating conditions as existing at the time of sampling or measurement.  
[Reference 40 CFR 70.6(a)(3)(ii)(A)]
- K. Permittee shall submit at least semiannually, reports of any required monitoring, clearly identifying all instances of deviations from permitted monitoring requirements, certified by a responsible company official. For previously reported deviations, in lieu of attaching the individual deviation reports, the semiannual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The semiannual reports shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding period encompassing July through December and September 30 for the preceding period encompassing January through June. Any quarterly deviation report required to be submitted by March 31 or September 30 in accordance with Part 70 General Condition R may be consolidated with the semi-annual reports required by this general condition as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [LAC 33:III.507.H, reference 40 CFR 70.6(a)(3)(iii)(A)]
- L. The permittee shall submit at least semiannual reports on the status of compliance pursuant to 40 CFR Section 70.5 (c) (8) and a progress report on any applicable schedule of compliance pursuant to 40 CFR Section 70.6 (c) (4). [LAC 33:III.507.H.1, reference 40 CFR 70.6(c)(4)]

## 40 CFR PART 70 GENERAL CONDITIONS

- M. Compliance certifications per LAC 33:III.507.H.5 shall be submitted to the Administrator as well as the permitting authority. For previously reported compliance deviations, in lieu of attaching the individual deviation reports, the annual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The compliance certifications shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding calendar year. [LAC 33:III.507.H.5, reference 40 CFR 70.6(c)(5)(iv)]
- N. If the permittee seeks to reserve a claim of an affirmative defense as provided in LAC 33:III.507.J.2, the permittee shall, in addition to any emergency or upset provisions in any applicable regulation, notify the permitting authority within 2 working days of the time when emission limitations were exceeded due to the occurrence of an upset. In the event of an upset, as defined under LAC 33:III.507.J, which results in excess emissions, the permittee shall demonstrate through properly signed, contemporaneous operating logs, or other relevant evidence that: 1) an emergency occurred and the cause was identified; 2) the permitted facility was being operated properly at the time; and 3) during the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standard or requirement of the permit. [LAC 33:III.507.J.2, reference 40 CFR 70.6(g)(3)(iv) & (i-iii)]
- O. Permittee shall maintain emissions at a level less than or equal to that provided for under the allowances that the 40 CFR Part 70 source lawfully holds under Title IV of the Clean Air Act or the regulations promulgated thereunder. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program, provided that such increases do not require a permit revision under any other applicable requirement. No limit shall be placed on the number of allowances held by the source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement. Any such allowance shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Clean Air Act. [Reference 40 CFR 70.6(a)(4)]
- P. Any permit issued pursuant to 40 CFR Part 70 may be subject to reopening prior to the expiration of the permit for any of the conditions specified in 40 CFR Section 70.7(f) or LAC 33:III.529. [LAC 33:III.529.A-B, reference 40 CFR 70.7(f)]
- Q. Permittee may request an administrative amendment to the permit to incorporate test results from compliance testing if the following criteria are met:
  1. the changes are a result of tests performed upon start-up of newly constructed, installed, or modified equipment or operations;
  2. increases in permitted emissions will not exceed five tons per year for any regulated pollutant;
  3. increases in permitted emissions of Louisiana toxic air pollutants or of federal hazardous air pollutants would not constitute a modification under LAC 33:III. Chapter 51 or under Section 112 (g) of the Clean Air Act;
  4. changes in emissions would not require new source review for prevention of significant deterioration or nonattainment and would not trigger the applicability of any federally applicable requirement;
  5. changes in emissions would not qualify as a significant modification; and
  6. the request is submitted no later than 12 months after commencing operation. [LAC 33:III.523.A, reference 40 CFR 70.7(d)]

## **40 CFR PART 70 GENERAL CONDITIONS**

- R. Permittee shall submit prompt reports of all permit deviations as specified below to the Office of Environmental Compliance, Surveillance Division. All such reports shall be certified by a responsible official in accordance with 40 CFR 70.5(d).
1. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
  2. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
  3. A written report shall be submitted quarterly to address all permit deviations not included in paragraphs 1 or 2 above. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. The quarterly deviation reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by Part 70 General Condition K as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. For previously reported permit deviations, in lieu of attaching the individual deviation reports, the quarterly report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any permit deviations occurring during the corresponding specified calendar quarter:
    - a. Report by June 30 to cover January through March
    - b. Report by September 30 to cover April through June
    - c. Report by December 31 to cover July through September
    - d. Report by March 31 to cover October through December
  4. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided such reports are certified in accordance with 40 CFR 70.5(d) and contain all information relevant to the permit deviation. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107. [Reference 40 CFR 70.6(a)(3)(iii)(B)]
- S. Permittee shall continue to comply with applicable requirements on a timely basis, and will meet on a timely basis applicable requirements that become effective during the permit term. [Reference 40 CFR 70.5(c)(8)(iii)]

## **40 CFR PART 70 GENERAL CONDITIONS**

- T. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
1. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156;
  2. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158;
  3. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161;
  4. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR 82.166. ("MVAC-like appliance" as defined at 40 CFR 82.152);
  5. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR 82.156; and
  6. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166. [Reference 40 CFR 82, Subpart F]
- U. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.

The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant. [Reference 40 CFR 82, Subpart B]

- V. Data availability for continuous monitoring or monitoring to collect data at specific intervals: Except for monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks and required zero and span adjustments), the permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the emissions unit is operating. For purposes of reporting monitoring deviations under Part 70 General Conditions K and R, and unless otherwise provided for in the Specific Requirements (or Table 3) of this permit, the minimum degree of data availability shall be at least 90% (based on a monthly average) of the operating time of the emissions unit or activity being monitored. This condition does not apply to Leak Detection and Repair (LDAR) programs for fugitive emissions (e.g., 40 CFR 60 Subpart VV, 40 CFR 63 Subpart H).

## **LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS**

- I. This permit is issued on the basis of the emissions reported in the application for approval of emissions and in no way guarantees that the design scheme presented will be capable of controlling the emissions to the type and quantities stated. Failure to install, properly operate and/or maintain all proposed control measures and/or equipment as specified in the application and supplemental information shall be considered a violation of the permit and LAC 33:III.501. If the emissions are determined to be greater than those allowed by the permit (e.g. during the shakedown period for new or modified equipment) or if proposed control measures and/or equipment are not installed or do not perform according to design efficiency, an application to modify the permit must be submitted. All terms and conditions of this permit shall remain in effect unless and until revised by the permitting authority.
- II. The permittee is subject to all applicable provisions of the Louisiana Air Quality Regulations. Violation of the terms and conditions of the permit constitutes a violation of these regulations.
- III. The Emission Rates for Criteria Pollutants, Emission Rates for TAP/HAP & Other Pollutants, and Specific Requirements sections or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Specific Requirements or, where included, Tables 2 and 3 of the permit. The synopsis is based on the application and Emission Inventory Questionnaire dated April 21, 2005, along with supplemental information dated August 8, 2005, August 31, 2005, November 4, 2005, and November 16, 2005.
- IV. This permit shall become invalid, for the sources not constructed, if:
  - A. Construction is not commenced, or binding agreements or contractual obligations to undertake a program of construction of the project are not entered into, within two (2) years (18 months for PSD permits) after issuance of this permit, or;
  - B. If construction is discontinued for a period of two (2) years (18 months for PSD permits) or more.The administrative authority may extend this time period upon a satisfactory showing that an extension is justified.  
  
This provision does not apply to the time period between construction of the approved phases of a phased construction project. However, each phase must commence construction within two (2) years (18 months for PSD permits) of its projected and approved commencement date.
- V. The permittee shall submit semiannual reports of progress outlining the status of construction, noting any design changes, modifications or alterations in the construction schedule which have or may have an effect on the emission rates or ambient air quality levels. These reports shall continue to be submitted until such time as construction is certified as being complete. Furthermore, for any significant change in the design, prior approval shall be obtained from the Office of Environmental Services, Air Permits Division.
- VI. The permittee shall notify the Department of Environmental Quality, Office of Environmental Services, Air Permits Division within ten (10) calendar days from the date that construction is certified as complete and the estimated date of start-up of operation. The appropriate Regional Office shall also be so notified within the same time frame.

## LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

- VII. Any emissions testing performed for purposes of demonstrating compliance with the limitations set forth in paragraph III shall be conducted in accordance with the methods described in the Specific Conditions and, where included, Tables 1, 2, 3, 4, and 5 of this permit. Any deviation from or modification of the methods used for testing shall have prior approval from the Office of Environmental Assessment, Air Quality Assessment Division.
- VIII. The emission testing described in paragraph VII above, or established in the specific conditions of this permit, shall be conducted within sixty (60) days after achieving normal production rate or after the end of the shakedown period, but in no event later than 180 days after initial start-up (or restart-up after modification). The Office of Environmental Assessment, Air Quality Assessment Division shall be notified at least (30) days prior to testing and shall be given the opportunity to conduct a pretest meeting and observe the emission testing. The test results shall be submitted to the Air Quality Assessment Division within sixty (60) days after the complete testing. As required by LAC 33:III.913, the permittee shall provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- IX. The permittee shall, within 180 days after start-up and shakedown of each project or unit, report to the Office of Environmental Compliance, Surveillance Division any significant difference in operating emission rates as compared to those limitations specified in paragraph III. This report shall also include, but not be limited to, malfunctions and upsets. A permit modification shall be submitted, if necessary, as required in Condition I.
- X. The permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in the specific conditions of this permit for a minimum of at least five (5) years.
- XI. If for any reason the permittee does not comply with, or will not be able to comply with, the emission limitations specified in this permit, the permittee shall provide the Office of Environmental Compliance, Surveillance Division with a written report as specified below.
- A. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
  - B. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
  - C. A written report shall be submitted quarterly to address all emission limitation exceedances not included in paragraphs A or B above. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any emission limitation exceedances occurring during the corresponding specified calendar quarter:
    1. Report by June 30 to cover January through March
    2. Report by September 30 to cover April through June
    3. Report by December 31 to cover July through September
    4. Report by March 31 to cover October through December

## **LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS**

- D. Each report submitted in accordance with this condition shall contain the following information:
1. Description of noncomplying emission(s);
  2. Cause of noncompliance;
  3. Anticipated time the noncompliance is expected to continue, or if corrected, the duration of the period of noncompliance;
  4. Steps taken by the permittee to reduce and eliminate the noncomplying emissions; and
  5. Steps taken by the permittee to prevent recurrences of the noncomplying emissions.
- E. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided all information specified above is included. For Part 70 sources, reports submitted in accordance with Part 70 General Condition R shall serve to meet the requirements of this condition provided all specified information is included. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107.
- XII. Permittee shall allow the authorized officers and employees of the Department of Environmental Quality, at all reasonable times and upon presentation of identification, to:
- A. Enter upon the permittee's premises where regulated facilities are located, regulated activities are conducted or where records required under this permit are kept;
  - B. Have access to and copy any records that are required to be kept under the terms and conditions of this permit, the Louisiana Air Quality Regulations, or the Act;
  - C. Inspect any facilities, equipment (including monitoring methods and an operation and maintenance inspection), or operations regulated under this permit; and
  - D. Sample or monitor, for the purpose of assuring compliance with this permit or as otherwise authorized by the Act or regulations adopted thereunder, any substances or parameters at any location.
- XIII. If samples are taken under Section XII.D. above, the officer or employee obtaining such samples shall give the owner, operator or agent in charge a receipt describing the sample obtained. If requested prior to leaving the premises, a portion of each sample equal in volume or weight to the portion retained shall be given to the owner, operator or agent in charge. If an analysis is made of such samples, a copy of the analysis shall be furnished promptly to the owner, operator or agency in charge.
- XIV. The permittee shall allow authorized officers and employees of the Department of Environmental Quality, upon presentation of identification, to enter upon the permittee's premises to investigate potential or alleged violations of the Act or the rules and regulations adopted thereunder. In such investigations, the permittee shall be notified at the time entrance is requested of the nature of the suspected violation. Inspections under this subsection shall be limited to the aspects of alleged violations. However, this shall not in any way preclude prosecution of all violations found.

## **LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS**

- XV. The permittee shall comply with the reporting requirements specified under LAC 33:III.919 as well as notification requirements specified under LAC 33:III.927.
- XVI. In the event of any change in ownership of the source described in this permit, the permittee and the succeeding owner shall notify the Office of Environmental Services, Air Permits Division, within ninety (90) days after the event, to amend this permit.
- XVII. Very small emissions to the air resulting from routine operations, that are predictable, expected, periodic, and quantifiable and that are submitted by the permitted facility and approved by the Air Permits Division are considered authorized discharges. Approved activities are noted in the General Condition XVII Activities List of this permit. To be approved as an authorized discharge, these very small releases must:
1. Generally be less than 5 TPY
  2. Be less than the minimum emission rate (MER)
  3. Be scheduled daily, weekly, monthly, etc., or
  4. Be necessary prior to plant startup or after shutdown [line or compressor pressuring/depressuring for example]

These releases are not included in the permit totals because they are small and will have an insignificant impact on air quality. This general condition does not authorize the maintenance of a nuisance, or a danger to public health and safety. The permitted facility must comply with all applicable requirements, including release reporting under LAC 33:I.3901.

- XVIII. Provisions of this permit may be appealed in writing pursuant to La. R.S. 30:2024(A) within 30 days from receipt of the permit. Only those provisions specifically appealed will be suspended by a request for hearing, unless the secretary or the assistant secretary elects to suspend other provisions as well. Construction cannot proceed except as specifically approved by the secretary or assistant secretary. A request for hearing must be sent to the following:

Attention: Office of the Secretary, Legal Services Division  
La. Dept. of Environmental Quality  
Post Office Box 4302  
Baton Rouge, Louisiana 70821-4302

- XIX. Certain Part 70 general conditions may duplicate or conflict with state general conditions. To the extent that any Part 70 conditions conflict with state general conditions, then the Part 70 general conditions control. To the extent that any Part 70 general conditions duplicate any state general conditions, then such state and Part 70 provisions will be enforced as if there is only one condition rather than two conditions.

## General Information

AI ID: 3544 Occidental Chemical Corp - Convent Facility  
 Activity Number: PER19960001  
 Permit Number: 2560-0019-V1  
 Air - Title V Regular Permit Initial

Also Known As:	ID	Name	User Group	Start Date
	2560-0019	Occidental Chemical Corp - Convent Cogeneration Facility	Air Permitting	06-08-2000
	2560-0021	Occidental Chemical Corp - Convent Facility	CDS Number	04-28-2000
	0590539001	Occidental Chemical Corp - Convent Facility	Emission Inventory	03-03-2004
	34-0683539	Tax Exempt No	Federal Tax ID	11-20-1999
	LAD098168206	Federal Tax ID	Federal Tax ID	11-20-1999
	LA0056171	Occidental Chem Corp	Hazardous Waste Notification	02-15-2000
	LAG670038	Occidental Chem Corp	Inactive & Abandoned Sites	07-01-1991
	WP0018	WPC File Number	LPDES Permit #	05-22-2003
	GD-093-0517	WPC State Permit Number	LPDES Permit #	11-21-1999
	D-903-0517	Occidental Chemical Corp	LWDPS Permit #	06-25-2003
	70723CCDNTHIGHW	Site ID #	Solid Waste	01-08-2002
		TRI #	Solid Waste Facility No.	05-01-2001
			Toxic Release Inventory	07-09-2004
Physical Location:	7377 Hwy 3214 Convent, LA 70723	Main FAX:	2255629273	
Mailing Address:	7377 Hwy 3214 Convent, LA 70723	Main Phone:	2255629395	
Location of Front Gate:	30° 3' 19" 55 hundredths latitude, 90° 49' 49" 8 hundredths longitude, Coordinate Method: GPS Code (Psuedo Range) Precise Position, Coordinate Datum: NAD27			
Related People:	Name	Mailing Address	Phone (Type)	Relationship
	Sharon Caughman	7377 Hwy 3214 Convent, LA 70723	2255629395 (WP)	Solid Waste Billing Party for
	Sharon Caughman	7377 Hwy 3214 Convent, LA 70723	2255629297 (WF)	Solid Waste Billing Party for
	Sharon Caughman	7377 Hwy 3214 Convent, LA 70723	2255629297 (WF)	Accident Prevention Billing Party for
	Sharon Caughman	7377 Hwy 3214 Convent, LA 70723	2255629395 (WP)	Air Billing Contact for
	Sharon Caughman	7377 Hwy 3214 Convent, LA 70723	2255629395 (WP)	Accident Prevention Billing Party for
	Sharon Caughman	7377 Hwy 3214 Convent, LA 70723	2255629297 (WF)	Air Billing Contact for
	Kelly P. Ewen	7377 Hwy 3214 Convent, LA 70723	5045629385 (WP)	Hazardous Waste Permit Contact For
	Kelly P. Ewen	7377 Hwy 3214 Convent, LA 70723	5045629385 (WP)	Water Billing Party for
	Cindy Grosse	7377 Hwy 3214 Convent, LA 70723	2255629390 (WP)	Accident Prevention Contact for
	Cindy Grosse	7377 Hwy 3214 Convent, LA 70723	2255629273 (WF)	Accident Prevention Contact for
Related Organizations:	Name	Address	Phone (Type)	Relationship
	Occidental Chemical Corp	7377 Hwy 3214 Convent, LA 70723	Air Billing Party for	
	Occidental Chemical Corp	7377 Hwy 3214 Convent, LA 70723	Owns	

### General Information

AI ID: 3544 Occidental Chemical Corp - Convent Facility

Activity Number: PER19960001

Permit Number: 2560-00019-V1

Air - Title V Regular Permit Initial

SIC Codes:  
2812, Alkalies and chlorine

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Environmental Assistance Division, at (225) 219-3247 or email your changes to facupdate@la.gov.

## INVENTORIES

**AI ID: 3544 - Occidental Chemical Corp - Convent Facility**  
**Activity Number: PER19960001**  
**Permit Number: 2560-00019-V1**  
**Air - Title V Regular Permit Initial**

### Subject Item Inventory:

ID	Description	Tank Volume	Max Operating Rate	Normal Operating Rate	Contents	Operating Time
EQT001	01-78 HCl Fume Scrubber (1C-8)		15 SCFM	12 SCFM		8760 hr/yr (All Year)
EQT002	02-78 Chlorine Seal Pot Scrubber (3C-3)		34.25 lb/hr			8760 hr/yr (All Year)
EQT003	04-78 Emergency Cl2 Neutralization Tanks	42000 gallons				8760 hr/yr (All Year)
EQT004	05-78 Solvent Storage Tank (6D-8)	10054 gallons				8760 hr/yr (All Year)
EQT005	07-78 Boiler F-1		318 MM BTU/hr			8760 hr/yr (All Year)
EQT006	08-78 Boiler F-6 (Vent Gas-S)		168.3 MM BTU/hr			8760 hr/yr (All Year)
EQT007	09-78 Boiler F-5 (Vent Gas-N)		174.2 MM BTU/hr			8760 hr/yr (All Year)
EQT008	13-78 Contaminated Stormwater Tank (31D-10)	2.22 million gallons				8760 hr/yr (All Year)
EQT009	14-78 Wastewater Holding Tank (6D-4)	508370 gallons				8760 hr/yr (All Year)
EQT010	15-78 By-Product Tank (6D-3)	128851 gallons	5500 ft^3/min (actual)	5500 ft^3/min (actual)		8760 hr/yr (All Year)
EQT011	17-78 Carbonation Tower (38C-2)		5500 ft^3/min (actual)	5500 ft^3/min (actual)		8760 hr/yr (All Year)
EQT012	18-78 Carbonation Tower (38C-1)					8760 hr/yr (All Year)
EQT013	20-78 Gasoline Storage Tank (73D-2)	2086.4 gallons				8760 hr/yr (All Year)
EQT014	26-91 Cathode Electric Oven (2F-1)					8760 hr/yr (All Year)
EQT015	28-92 Spent Sulfuric Acid Tank (23C-1A)	21152 gallons				8760 hr/yr (All Year)
EQT016	29-92 Spent Sulfuric Acid Tank (23C-1B)	21152 gallons				8760 hr/yr (All Year)
EQT017	30-92 Spent Sulfuric Acid Tank (35C-5)	2961.3 gallons				8760 hr/yr (All Year)
EQT018	31-92 Spent Sulfuric Acid Tank (32D-12)	2326.7 gallons				8760 hr/yr (All Year)
EQT019	32-93 Spent Sulfuric Acid Tank (6C-35)	1128.1 gallons				8760 hr/yr (All Year)
EQT020	33-94 EDC Storage Tank (20D-1)	1.78 million gallons				8760 hr/yr (All Year)
EQT021	34-94 EDC Storage Tank (20D-2)	1.78 million gallons				8760 hr/yr (All Year)
EQT022	35-94 EDC Storage Tank (20D-3)	1.78 million gallons				8760 hr/yr (All Year)
EQT023	36-94 EDC Storage Tank (20D-11)	2.45 million gallons				8760 hr/yr (All Year)
EQT024	37-94 EDC Storage Tank (20D-12)	2.45 million gallons				8760 hr/yr (All Year)
EQT025	38-94 Crude EDC Tank (6D-1A)	515402 gallons				8760 hr/yr (All Year)
EQT026	39-94 Crude EDC Tank (6D-1B)	515402 gallons				8760 hr/yr (All Year)
EQT027	40-94 By-Product Tank (6D-6)	61105 gallons				8760 hr/yr (All Year)
EQT028	41-94 Wet Rework Tank (6D-7)	31728 gallons				8760 hr/yr (All Year)
EQT029	42-94 EDC Sump (6D-12)	14156 gallons	1.2 MM gallons/day (anticipated flow)	275 gallons/min		8760 hr/yr (All Year)
EQT030	44-96 Wastewater Related Emissions					8760 hr/yr (All Year)
EQT031	49-97 EDC Reactors					8760 hr/yr (All Year)
EQT032	48-97 EDC Distillation Unit	2300 tons/day	2300 tons/day			8760 hr/yr (All Year)
EQT033	49-97 Cooling Towers	55000 gallons/min	55000 gallons/min			8760 hr/yr (All Year)
EQT034	50-02 Diesel Engines	1479 horsepower	585 horsepower			8760 hr/yr (All Year)
EQT035	52-05 Cell Renewal Glove Box Vent					8760 hr/yr (All Year)
EQT036	53-05 Strong Acid Tank (3C-6A)	12725 gallons				8760 hr/yr (All Year)

## INVENTORIES

AI ID: 3544 - Occidental Chemical Corp - Convent Facility  
 Activity Number: PER1996001  
 Permit Number: 2560-00019-V1  
 Air - Title V Regular Permit Initial

### Subject Item Inventory

ID	Description	Tank Volume	Max Operating Rate	Normal Operating Rate	Contents	Operating Time
EQT037	54-05 Strong Acid Tank (3C-6B)	12725 gallons				8760 hr/yr (All Year)
EQT038	55-05 Brine Header Flushes					208 hr/yr (All Year)
EQT039	FGD Scrubber (36C-2)					8760 hr/yr (All Year)
FUG001	22-85 Plantwide Fugitive Emissions					8760 hr/yr (All Year)

### Subject Item Groups:

ID	Description	Included Components (from Above)
GRP004	OxyChem Convent Facility	EQT1 01-78 HCL Flume Scrubber (1C-8)
GRP004	OxyChem Convent Facility	EQT2 02-78 Chlorine Seal Pot Scrubber (3C-3)
GRP004	OxyChem Convent Facility	EQT3 04-78 Emergency CL2 Neutralization Tanks
GRP004	OxyChem Convent Facility	EQT4 05-78 Solvent Storage Tank (6D-3)
GRP004	OxyChem Convent Facility	EQT5 07-78 Boiler F-1
GRP004	OxyChem Convent Facility	EQT6 08-78 Boiler F-6 (Vent Gas-S)
GRP004	OxyChem Convent Facility	EQT7 09-78 Boiler F-5 (Vent Gas-N)
GRP004	OxyChem Convent Facility	EQT8 13-78 Contaminated Stormwater Tank (31D-10)
GRP004	OxyChem Convent Facility	EQT9 14-78 Wastewater Holding Tank (6D-4)
GRP004	OxyChem Convent Facility	EQT10 15-78 By-Product Tank (6D-3)
GRP004	OxyChem Convent Facility	EQT11 17-78 Carbonation Tower (38C-2)
GRP004	OxyChem Convent Facility	EQT12 18-78 Carbonation Tower (38C-1)
GRP004	OxyChem Convent Facility	EQT13 20-78 Gasoline Storage Tank (73D-2)
GRP004	OxyChem Convent Facility	EQT14 26-91 Cathode Electric Oven (2F-1)
GRP004	OxyChem Convent Facility	EQT15 28-92 Spent Sulfuric Acid Tank (23C-1A)
GRP004	OxyChem Convent Facility	EQT16 29-92 Spent Sulfuric Acid Tank (23C-1B)
GRP004	OxyChem Convent Facility	EQT17 30-92 Spent Sulfuric Acid Tank (35C-5)
GRP004	OxyChem Convent Facility	EQT18 31-92 Spent Sulfuric Acid Tank (32D-12)
GRP004	OxyChem Convent Facility	EQT19 32-93 Spent Sulfuric Acid Tank (6C-35)
GRP004	OxyChem Convent Facility	EQT20 33-94 EDC Storage Tank (20D-1)
GRP004	OxyChem Convent Facility	EQT21 34-94 EDC Storage Tank (20D-2)
GRP004	OxyChem Convent Facility	EQT22 35-94 EDC Storage Tank (20D-3)
GRP004	OxyChem Convent Facility	EQT23 36-94 EDC Storage Tank (20D-11)
GRP004	OxyChem Convent Facility	EQT24 37-94 EDC Storage Tank (20D-12)
GRP004	OxyChem Convent Facility	EQT25 38-94 Crude EDC Tank (6D-1A)
GRP004	OxyChem Convent Facility	EQT26 39-94 Crude EDC Tank (6D-1B)
GRP004	OxyChem Convent Facility	EQT27 40-94 By-Product Tank (6D-6)
GRP004	OxyChem Convent Facility	EQT28 41-94 Wet Rework Tank (6D-7)
GRP004	OxyChem Convent Facility	EQT29 42-94 EDC Sump (6D-12)

## INVENTORIES

AI ID: 3544 - Occidental Chemical Corp - Convent Facility  
 Activity Number: PER19960001  
 Permit Number: 2560-00019-V1  
 Air - Title V Regular Permit Initial

### Subject Item Groups:

ID	Description	Included Components (from Above)
GRP004	OxyChem Convent Facility	EQT30 44-96 Wastewater Related Emissions
GRP004	OxyChem Convent Facility	EQT31 49-97 EDC Reactors
GRP004	OxyChem Convent Facility	EQT32 48-97 EDC Distillation Unit
GRP004	OxyChem Convent Facility	EQT33 49-97 Cooling Towers
GRP004	OxyChem Convent Facility	EQT34 50-02 Diesel Engines
GRP004	OxyChem Convent Facility	EQT35 52-05 Cell Renewal Glove Box Vent
GRP004	OxyChem Convent Facility	EQT36 53-05 Strong Acid Tank (3C-6A)
GRP004	OxyChem Convent Facility	EQT37 54-05 Strong Acid Tank (3C-6B)
GRP004	OxyChem Convent Facility	EQT38 55-05 Brine Header Flushes
GRP004	OxyChem Convent Facility	EQT39 FGD Scrubber (36C-2)
GRP004	OxyChem Convent Facility	FUG1 22-85 Plantwide Fugitive Emissions
GRP005	CAP01-05 Boiler Cap	EQT5 07-78 Boiler F-1
GRP005	CAP01-05 Boiler Cap	EQT6 08-78 Boiler F-6 (Vent Gas-S)
GRP005	CAP01-05 Boiler Cap	EQT7 09-78 Boiler F-5 (Vent Gas-N)
GRP005	CAP01-05 Boiler Cap	EQT11 17-78 Carbonation Tower (38C-2)
GRP005	CAP01-05 Boiler Cap	EQT12 18-78 Carbonation Tower (38C-1)
GRP005	CAP01-05 Boiler Cap	EQT39 FGD Scrubber (36C-2)

### Relationships:

Subject Item	Relationship	Subject Item
EQT9 14-78 Wastewater Holding Tank (6D-4)	Vents to, or	EQT16 08-78 Boiler F-6 (Vent Gas-S)
EQT9 14-78 Wastewater Holding Tank (6D-4)	Vents to	EQT17 09-78 Boiler F-5 (Vent Gas-N)
EQT10 15-78 By-Product Tank (6D-3)	Vents to, or	EQT6 08-78 Boiler F-6 (Vent Gas-S)
EQT10 15-78 By-Product Tank (6D-3)	Vents to	EQT7 09-78 Boiler F-5 (Vent Gas-N)
EQT20 33-94 EDC Storage Tank (20D-1)	Vents to, or	EQT6 08-78 Boiler F-6 (Vent Gas-S)
EQT20 33-94 EDC Storage Tank (20D-1)	Vents to	EQT7 09-78 Boiler F-5 (Vent Gas-N)
EQT21 34-94 EDC Storage Tank (20D-2)	Vents to, or	EQT6 08-78 Boiler F-6 (Vent Gas-S)
EQT21 34-94 EDC Storage Tank (20D-2)	Vents to	EQT7 09-78 Boiler F-5 (Vent Gas-S)
EQT22 35-94 EDC Storage Tank (20D-3)	Vents to, or	EQT6 08-78 Boiler F-6 (Vent Gas-S)
EQT22 35-94 EDC Storage Tank (20D-3)	Vents to	EQT7 09-78 Boiler F-5 (Vent Gas-N)
EQT23 36-94 EDC Storage Tank (20D-11)	Vents to, or	EQT6 08-78 Boiler F-6 (Vent Gas-S)
EQT23 36-94 EDC Storage Tank (20D-11)	Vents to	EQT7 09-78 Boiler F-5 (Vent Gas-N)
EQT24 37-94 EDC Storage Tank (20D-12)	Vents to, or	EQT6 08-78 Boiler F-6 (Vent Gas-S)
EQT24 37-94 EDC Storage Tank (20D-12)	Vents to	EQT7 09-78 Boiler F-5 (Vent Gas-N)
EQT25 38-94 Crude EDC Tank (6D-1A)	Vents to, or	EQT6 08-78 Boiler F-6 (Vent Gas-S)
EQT25 38-94 Crude EDC Tank (6D-1A)	Vents to	EQT7 09-78 Boiler F-5 (Vent Gas-N)
EQT26 39-94 Crude EDC Tank (6D-1B)	Vents to, or	EQT6 08-78 Boiler F-6 (Vent Gas-S)

**INVENTORIES**

AI ID: 3544 - Occidental Chemical Corp - Convent Facility  
 Activity Number: PER19960001  
 Permit Number: 2560-00019-V1  
 Air - Title V Regular Permit Initial

**Relationships:**

	Subject Item	Relationship	Subject Item
EQT26	39-94 Crude EDC Tank (6D-1B)	Vents to	EQT7 09-78 Boiler F-5 (Vent Gas-N)
EQT27	40-94 By-Product Tank (6D-6)	Vents to, or	EQT6 08-78 Boiler F-6 (Vent Gas-S)
EQT27	40-94 By-Product Tank (6D-6)	Vents to	EQT7 09-78 Boiler F-5 (Vent Gas-N)
EQT28	41-94 Wei Rework Tank (6D-7)	Vents to, or	EQT6 08-78 Boiler F-6 (Vent Gas-S)
EQT28	41-94 Wei Rework Tank (6D-7)	Vents to	EQT7 09-78 Boiler F-5 (Vent Gas-N)
EQT29	42-94 EDC Sump (6D-12)	Vents to, or	EQT6 08-78 Boiler F-6 (Vent Gas-S)
EQT29	42-94 EDC Sump (6D-12)	Vents to	EQT7 09-78 Boiler F-5 (Vent Gas-N)
EQT31	49-97 EDC Reactors	Vents to, or	EQT6 08-78 Boiler F-6 (Vent Gas-S)
EQT31	49-97 EDC Reactors	Vents to	EQT7 09-78 Boiler F-5 (Vent Gas-N)
EQT32	48-97 EDC Distillation Unit	Vents to, or	EQT6 08-78 Boiler F-6 (Vent Gas-S)
EQT32	48-97 EDC Distillation Unit	Vents to	EQT7 09-78 Boiler F-5 (Vent Gas-N)

**Stack Information:**

ID	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (°F)
EQT001	01-78 HCl Fume Scrubber (1C-8)	1.1	1.2	.5	70	126
EQT002	02-78 Chlorine Seal Pot Scrubber (3C-3)	16.8	12633	4	77	209
EQT003	04-78 Emergency Cl2 Neutralization Tanks	.05	100	20	18	180
EQT004	05-78 Solvent Storage Tank (6D-8)			9.25	20	
EQT005	07-78 Boiler F-1	50	95000	10	178	279
EQT006	08-78 Boiler F-6 (Vent Gas-S)	50	58000	10	178	334
EQT007	09-78 Boiler F-5 (Vent Gas-N)	50	58000	10	178	334
EQT008	13-78 Contaminated Stormwater Tank (31D-10)			102.5	36	
EQT009	14-78 Wastewater Holding Tank (6D-4)			52	32	
EQT010	15-78 By-Product Tank (6D-3)			27.5	29	
EQT011	17-78 Carbonation Tower (38C-2)	13	5500	3	75	156
EQT012	18-78 Carbonation Tower (38C-1)	13	5500	3	75	156
EQT013	20-78 Gasoline Storage Tank (73D-2)			5.33	12.5	
EQT014	26-91 Cathode Electric Oven (2F-1)	24	1130	1.5	57	450
EQT015	28-92 Spent Sulfuric Acid Tank (23C-1A)			12	25	
EQT016	29-92 Spent Sulfuric Acid Tank (23C-1B)			12	25	
EQT017	30-92 Spent Sulfuric Acid Tank (35C-5)			6	14	
EQT018	31-92 Spent Sulfuric Acid Tank (32D-12)			6	11	71
EQT019	32-93 Spent Sulfuric Acid Tank (6C-35)			4	12	100
EQT020	33-94 EDC Storage Tank (20D-1)			104	28	100
EQT021	34-94 EDC Storage Tank (20D-2)			104	28	100
EQT022	35-94 EDC Storage Tank (20D-3)			104	28	100
EQT023	36-94 EDC Storage Tank (20D-11)			120	29	100
EQT024	37-94 EDC Storage Tank (20D-12)			120	29	100
EQT025	38-94 Crude EDC Tank (6D-1A)			55	29	120
EQT026	39-94 Crude EDC Tank (6D-1B)			55	29	120

## INVENTORIES

AI ID: 3544 - Occidental Chemical Corp - Convent Facility  
 Activity Number: PER19960001  
 Permit Number: 2560-00019-V1  
 Air - Title V Regular Permit Initial

### Stack Information:

ID		Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (°F)
EQT027	40-94 By-Product Tank (6D-6)			22		26	
EQT028	41-94 Wet Rework Tank (6D-7)			15		24	
EQT029	42-94 EDC Sump (6D-12)			15		10.7	
EQT030	44-96 Wastewater Related Emissions					6	
EQT033	49-97 Cooling Towers						

### Fee Information:

Sub Item Id	Multipplier	Units Of Measure	Fee Desc
GRP004	876	MM Lb/Yr	0420 - Caustic/Chlorine (Rated Capacity)

0620 - Halogenated Hydrocarbons (Rated Capacity)

## EMISSION RATES FOR CRITERIA POLLUTANTS

AID: 3544 - Occidental Chemical Corp - Convent Facility

Activity Number: PER19960001

Permit Number: 2560-00019-V1

Air - Title V Regular Permit Initial

### All phases

PM <sub>10</sub>			SO <sub>2</sub>			NO <sub>x</sub>			CO			VOC			
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 004 05-78										<	0.01		0.19	<	0.01
EQT 005 07-78	1.44			0.11			40.90			0.11					1.04
EQT 006 08-78	0.66				0.06		29.60			4.54					0.56
EQT 007 08-78	0.72				0.07		31.70			3.20					0.61
EQT 008 13-78										<	0.01		0.01		0.01
EQT 011 17-78	< 0.01			0.02			10.22			0.79					0.22
EQT 012 18-78	< 0.01			0.02			10.22			0.79					0.22
EQT 013 20-78															0.02
EQT 014 26-91										< 0.01	< 0.01		0.01		0.03
EQT 030 44-96													0.61	1.19	0.07
EQT 033 48-97	1.59	3.19	6.98										0.01	8.31	0.05
EQT 034 50-02	0.39	3.25	1.71	0.36	3.03	1.69	5.49	45.80	24.10	1.18	9.88	5.18	0.45	3.72	1.95
EQT 035 52-05	< 0.01	< 0.01	< 0.01												
FUG 001 22-85													2.04	4.07	8.91
GRP 005 CAP01-05	2.69		11.76	0.23		1.01	97.34		426.30	7.47	32.70	2.10		9.19	

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

Permit Phase Totals:

PM10: 20.45 tons/yr

SO2: 2.60 tons/yr

## EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 3544 - Occidental Chemical Corp - Convent Facility

Activity Number: PER19960001

Permit Number: 2560-00019-V1

Air - Title V Regular Permit Initial

### All phases

NOx: 450.40 tons/yr  
CO: 37.88 tons/yr  
VOC: 22.88 tons/yr

#### Emission rates Notes:

EQT 005	PM10	Max lb/hr	This source operates under a cap. The emissions shall be limited to the rates listed in EIQ No. CAP01-05 (Boiler Emission Cap), GRP005	Which Months: All Year
EQT 005	SO2	Max lb/hr	This source operates under a cap. The emissions shall be limited to the rates listed in EIQ No. CAP01-05 (Boiler Emission Cap), GRP005	Which Months: All Year
EQT 005	NOx	Max lb/hr	This source operates under a cap. The emissions shall be limited to the rates listed in EIQ No. CAP01-05 (Boiler Emission Cap), GRP005	Which Months: All Year
EQT 005	CO	Max lb/hr	This source operates under a cap. The emissions shall be limited to the rates listed in EIQ No. CAP01-05 (Boiler Emission Cap), GRP005	Which Months: All Year
EQT 005	VOC	Max lb/hr	This source operates under a cap. The emissions shall be limited to the rates listed in EIQ No. CAP01-05 (Boiler Emission Cap), GRP005	Which Months: All Year
EQT 006	PM10	Max lb/hr	This source operates under a cap. The emissions shall be limited to the rates listed in EIQ No. CAP01-05 (Boiler Emission Cap), GRP005	Which Months: All Year
EQT 006	SO2	Max lb/hr	This source operates under a cap. The emissions shall be limited to the rates listed in EIQ No. CAP01-05 (Boiler Emission Cap), GRP005	Which Months: All Year
EQT 006	NOx	Max lb/hr	This source operates under a cap. The emissions shall be limited to the rates listed in EIQ No. CAP01-05 (Boiler Emission Cap), GRP005	Which Months: All Year
EQT 006	CO	Max lb/hr	This source operates under a cap. The emissions shall be limited to the rates listed in EIQ No. CAP01-05 (Boiler Emission Cap), GRP005	Which Months: All Year
EQT 006	VOC	Max lb/hr	This source operates under a cap. The emissions shall be limited to the rates listed in EIQ No. CAP01-05 (Boiler Emission Cap), GRP005	Which Months: All Year
EQT 007	PM10	Max lb/hr	This source operates under a cap. The emissions shall be limited to the rates listed in EIQ No. CAP01-05 (Boiler Emission Cap), GRP005	Which Months: All Year
EQT 007	SO2	Max lb/hr	This source operates under a cap. The emissions shall be limited to the rates listed in EIQ No. CAP01-05 (Boiler Emission Cap), GRP005	Which Months: All Year
EQT 007	NOx	Max lb/hr	This source operates under a cap. The emissions shall be limited to the rates listed in EIQ No. CAP01-05 (Boiler Emission Cap), GRP005	Which Months: All Year
EQT 007	CO	Max lb/hr	This source operates under a cap. The emissions shall be limited to the rates listed in EIQ No. CAP01-05 (Boiler Emission Cap), GRP005	Which Months: All Year
EQT 011	PM10	Max lb/hr	This source operates under a cap. The emissions shall be limited to the rates listed in EIQ No. CAP01-05 (Boiler Emission Cap), GRP005	Which Months: All Year
EQT 011	SO2	Max lb/hr	This source operates under a cap. The emissions shall be limited to the rates listed in EIQ No. CAP01-05 (Boiler Emission Cap), GRP005	Which Months: All Year
EQT 011	NOx	Max lb/hr	This source operates under a cap. The emissions shall be limited to the rates listed in EIQ No. CAP01-05 (Boiler Emission Cap), GRP005	Which Months: All Year
EQT 011	CO	Max lb/hr	This source operates under a cap. The emissions shall be limited to the rates listed in EIQ No. CAP01-05 (Boiler Emission Cap), GRP005	Which Months: All Year
EQT 011	VOC	Max lb/hr	This source operates under a cap. The emissions shall be limited to the rates listed in EIQ No. CAP01-05 (Boiler Emission Cap), GRP005	Which Months: All Year
EQT 012	PM10	Max lb/hr	This source operates under a cap. The emissions shall be limited to the rates listed in EIQ No. CAP01-05 (Boiler Emission Cap), GRP005	Which Months: All Year

## EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 3544 - Occidental Chemical Corp - Convent Facility

Activity Number: PER19960001

Permit Number: 2560-00019-V1

Air - Title V Regular Permit Initial

### All phases

EQT 012	SO2	Max lb/hr	Year	This source operates under a cap. The emissions shall be limited to the rates listed in EIQ No. CAP01-05 (Boiler Emission Cap), GRP005	Which Months: All
EQT 012	NOx	Max lb/hr	Year	This source operates under a cap. The emissions shall be limited to the rates listed in EIQ No. CAP01-05 (Boiler Emission Cap), GRP005	Which Months: All
EQT 012	CO	Max lb/hr	Year	This source operates under a cap. The emissions shall be limited to the rates listed in EIQ No. CAP01-05 (Boiler Emission Cap), GRP005	Which Months: All
EQT 012	VOC	Max lb/hr	Year	This source operates under a cap. The emissions shall be limited to the rates listed in EIQ No. CAP01-05 (Boiler Emission Cap), GRP005	Which Months: All
GRP 005	PM10	Avg lb/hr	Year	Boiler Emission Cap (EIQ No. CAP01-05)	Which Months: All Year
GRP 005	PM10	Tons/Year	Year	Boiler Emission Cap (EIQ No. CAP01-05)	Which Months: All Year
GRP 005	SO2	Avg lb/hr	Year	Boiler Emission Cap (EIQ No. CAP01-05)	Which Months: All Year
GRP 005	SO2	Tons/Year	Year	Boiler Emission Cap (EIQ No. CAP01-05)	Which Months: All Year
GRP 005	NOx	Avg lb/hr	Year	Boiler Emission Cap (EIQ No. CAP01-05)	Which Months: All Year
GRP 005	NOx	Tons/Year	Year	Boiler Emission Cap (EIQ No. CAP01-05)	Which Months: All Year
GRP 005	CO	Avg lb/hr	Year	Boiler Emission Cap (EIQ No. CAP01-05)	Which Months: All Year
GRP 005	CO	Tons/Year	Year	Boiler Emission Cap (EIQ No. CAP01-05)	Which Months: All Year
GRP 005	VOC	Avg lb/hr	Year	Boiler Emission Cap (EIQ No. CAP01-05)	Which Months: All Year
GRP 005	VOC	Tons/Year	Year	Boiler Emission Cap (EIQ No. CAP01-05)	Which Months: All Year

## EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 3544 - Occidental Chemical Corp - Convent Facility  
 Activity Number: PER19960001  
 Permit Number: 2560-00019-V1  
 Air - Title V Regular Permit Initial

All phases

Subject Item	1,1,2-Trichloroethane			1,2-Dichloroethane			Asbestos			Benzene			Chlorine		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 001 01-78															
EQT 002 02-78													0.034	25,000	0.150
EQT 003 04-78													0.043	0.256	0.187
EQT 004 05-78															
EQT 005 07-78										< 0.001					
EQT 006 08-78							0.750			< 0.001			0.894		
EQT 007 08-78							0.750			< 0.001			0.277		
EQT 008 13-78				0.001	0.012	0.006									
EQT 011 17-78							0.150			< 0.001			0.006		
EQT 012 18-78							0.150			< 0.001			0.006		
EQT 013 20-78										< 0.001	0.133	0.002			
EQT 015 28-92													0.111	6,908	0.487
EQT 016 28-92													0.111	6,908	0.487
EQT 017 30-92													0.221	4,544	0.966
EQT 018 31-92													0.003	3,572	0.014
EQT 019 32-93													0.021	1,731	0.093
EQT 030 44-96							0.011	0.021	0.049						
EQT 033 49-97							0.011	8.309	0.050				0.002	0.004	0.008

## EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

All ID: 3544 - Occidental Chemical Corp - Convent Facility

Activity Number: PER1999600001

Permit Number: 2560-00019-V1

Air - Title V Regular Permit Initial

### All phases

Subject Item	Chloroethane			Chloroform			Dichlorobenzene			Ethyl benzene			Formaldehyde		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 001 01-78															
EQT 002 02-78															
EQT 003 04-78															
EQT 004 05-78															
EQT 005 07-78							< 0.001						0.014		
EQT 006 08-78	0.300						< 0.001						0.008		
EQT 007 09-78	0.300						< 0.001						0.008		
EQT 008 13-78															
EQT 011 17-78	0.060						< 0.001						0.003		
EQT 012 18-78	0.060						< 0.001						0.003		
EQT 013 20-78								< 0.001		0.013	< 0.001				
EQT 015 28-92															
EQT 016 29-92															
EQT 017 30-92															
EQT 018 31-92															
EQT 019 32-93															
EQT 030 44-96							0.010	0.019	0.044						
EQT 033 49-97															

## EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 3544 - Occidental Chemical Corp - Convent Facility  
 Activity Number: PER19960001  
 Permit Number: 2560-00019-V1  
 Air - Title V Regular Permit Initial

### All phases

Subject Item	Hydrochloric acid			Naphthalene			Polynuclear Aromatic Hydrocarbons			Sulfuric acid			Toluene		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 001 01-78	0.021	0.026	0.092												
EQT 002 02-78	< 0.001	0.250	0.002												
EQT 003 04-78															
EQT 004 05-78				< 0.001		0.006	< 0.001								
EQT 005 07-78							< 0.001								0.001
EQT 006 08-78															
EQT 007 09-78															
EQT 008 13-78															
EQT 011 17-78															
EQT 012 18-78															
EQT 013 20-78															
EQT 015 28-92															
EQT 016 29-92															
EQT 017 30-92															
EQT 018 31-92															
EQT 019 32-93															
EQT 030 44-96															
EQT 033 49-97															

## EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 3544 - Occidental Chemical Corp - Convent Facility  
Activity Number: PER19960001  
Permit Number: 2560-00019-V1  
Air - Title V Regular Permit Initial

### All phases

Subject Item	Xylyene (mixed isomers)			n-Hexane		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 001 01-78						
EQT 002 02-78						
EQT 003 04-78						
EQT 004 05-78						
EQT 005 07-78						
EQT 006 08-78						
EQT 007 09-78						
EQT 008 13-78						
EQT 011 17-78						
EQT 012 18-78						
EQT 013 20-78	< 0.001	0.055	0.001	0.006	2.152	0.025
EQT 015 28-92						
EQT 016 29-92						
EQT 017 30-92						
EQT 018 31-92						
EQT 019 32-93						
EQT 030 44-96						
EQT 033 49-97						

## EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 3544 - Occidental Chemical Corp - Convent Facility

Activity Number: PER19960001

Permit Number: 2560-00019-V1

Air - Title V Regular Permit Initial

### All phases

1,1,2-Trichloroethane			1,2-Dichloroethane			Asbestos			Benzene			Chlorine			
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 035 52-05				< 0.001	0.003	0.001									
EQT 036 53-05															
EQT 037 54-05															
EQT 038 55-05															
FUG 001 22-85	0.010	0.020	0.024	1.325	2.649	5.802							0.059	0.118	0.253
GRP 005 CAP01-05				0.005	0.024	0.048	0.001	0.217	0.004	0.217	0.049				

## EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 3544 - Occidental Chemical Corp - Convent Facility  
 Activity Number: PER19960001  
 Permit Number: 2560-00019-V1  
 Air - Title V Regular Permit Initial

### All phases

Chloroethane				Chloroform				Dichlorobenzene				Ethyl benzene				Formaldehyde			
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	
EQT 035 52-05																			
EQT 036 53-05																			
EQT 037 54-05																			
EQT 038 55-05																			
FÜG 001 22-85																			
GRP 005 CAP01-05	0.446	0.446	1.353				0.001		0.002				0.029			0.0125			

## EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 3544 - Occidental Chemical Corp - Convent Facility

Activity Number: PER19960001

Permit Number: 2560-00019-V1

Air - Title V Regular Permit Initial

### All phases

Hydrochloric acid				Naphthalene				Polynuclear Aromatic Hydrocar bons				Sulfuric acid				Toluene			
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	
EQT 035 52-05										< 0.001	0.001	0.006	< 0.001	0.001	0.001				
EQT 036 53-05										< 0.001	0.001	0.006	< 0.001	0.001	0.001				
EQT 037 54-05										< 0.001	0.001	0.006	< 0.001	0.001	0.001				
EQT 038 55-05																			
FUG 001 22-85	0.188	0.376	0.324																
GRP 005 Cap01-05	0.121	0.228	0.162	< 0.001	0.001	0.001	< 0.001	0.001	0.001				0.001	0.001	0.001				

## EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 3544 - Occidental Chemical Corp - Convent Facility

Activity Number: PER19960001

Permit Number: 2560-00019-V1

Air - Title V Regular Permit Initial

### All phases

Subject Item	Xylenes (mixed isomers)			n-Hexane		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 035 52-05						
EQT 036 53-05						
EQT 037 54-06						
EQT 038 55-05						
FUG 001 22-86						
GRP 005 CAFO1-06				0.686		3.006

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

### Permit Parameter Totals:

1,1,2-Trichloroethane: 0.044 tons/yr

1,2-Dichloroethane: 5.931 tons/yr

Asbestos: 0.001 tons/yr

Benzene: 0.006 tons/yr

Chlorine: 3.703 tons/yr

Chloroethane: 1.953 tons/yr

Chloroform: 0.044 tons/yr

Dichlorobenzene: 0.002 tons/yr

Ethyl benzene: <0.001 tons/yr

Formaldehyde: 0.125 tons/yr

Hydrochloric acid: 1.446 tons/yr

n-Hexane: 3.031 tons/yr

Naphthalene: 0.001 tons/yr

Polynuclear Aromatic Hydrocarbons: 0.001 tons/yr

Sulfuric acid: 0.001 tons/yr

Toluene: 0.008 tons/yr

Xylene (mixed isomers): 0.001 tons/yr

## EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 3544 - Occidental Chemical Corp - Convent Facility  
 Activity Number: PER19960001  
 Permit Number: 2560-00019-V1  
 Air - Title V Regular Permit Initial

### All phases

#### Emission Rates Notes:

EQT 005	Benzene	Max lb/hr	This source operates under a cap. The emissions shall be limited to the rates listed in EIQ No. CAP01-05 (Boiler Emission Cap), GRP005 Which Months: All Year
EQT 005	Dichlorobenzene	Max lb/hr	This source operates under a cap. The emissions shall be limited to the rates listed in EIQ No. CAP01-05 (Boiler Emission Cap), GRP005 Which Months: All Year
EQT 005	Formaldehyde	Max lb/hr	This source operates under a cap. The emissions shall be limited to the rates listed in EIQ No. CAP01-05 (Boiler Emission Cap), GRP005 Which Months: All Year
EQT 005	Naphthalene	Max lb/hr	This source operates under a cap. The emissions shall be limited to the rates listed in EIQ No. CAP01-05 (Boiler Emission Cap), GRP005 Which Months: All Year
EQT 005	Polynuclear Aromatic Hydrocarbons	Max lb/hr	This source operates under a cap. The emissions shall be limited to the rates listed in EIQ No. CAP01-05 (Boiler Emission Cap), GRP005 Which Months: All Year
EQT 005	Toluene	Max lb/hr	This source operates under a cap. The emissions shall be limited to the rates listed in EIQ No. CAP01-05 (Boiler Emission Cap), GRP005 Which Months: All Year
EQT 005	n-Hexane	Max lb/hr	This source operates under a cap. The emissions shall be limited to the rates listed in EIQ No. CAP01-05 (Boiler Emission Cap), GRP005 Which Months: All Year
EQT 006	1,2-Dichloroethane	Max lb/hr	This source operates under a cap. The emissions shall be limited to the rates listed in EIQ No. CAP01-05 (Boiler Emission Cap), GRP005 Which Months: All Year
EQT 006	Benzene	Max lb/hr	This source operates under a cap. The emissions shall be limited to the rates listed in EIQ No. CAP01-05 (Boiler Emission Cap), GRP005 Which Months: All Year
EQT 006	Chlorine	Max lb/hr	This source operates under a cap. The emissions shall be limited to the rates listed in EIQ No. CAP01-05 (Boiler Emission Cap), GRP005 Which Months: All Year
EQT 006	Chloroethane	Max lb/hr	This source operates under a cap. The emissions shall be limited to the rates listed in EIQ No. CAP01-05 (Boiler Emission Cap), GRP005 Which Months: All Year
EQT 006	Dichlorobenzene	Max lb/hr	This source operates under a cap. The emissions shall be limited to the rates listed in EIQ No. CAP01-05 (Boiler Emission Cap), GRP005 Which Months: All Year
EQT 006	Formaldehyde	Max lb/hr	This source operates under a cap. The emissions shall be limited to the rates listed in EIQ No. CAP01-05 (Boiler Emission Cap), GRP005 Which Months: All Year
EQT 006	Hydrochloric acid	Max lb/hr	This source operates under a cap. The emissions shall be limited to the rates listed in EIQ No. CAP01-05 (Boiler Emission Cap), GRP005 Which Months: All Year
EQT 006	Naphthalene	Max lb/hr	This source operates under a cap. The emissions shall be limited to the rates listed in EIQ No. CAP01-05 (Boiler Emission Cap), GRP005 Which Months: All Year
EQT 006	Polynuclear Aromatic Hydrocarbons	Max lb/hr	This source operates under a cap. The emissions shall be limited to the rates listed in EIQ No. CAP01-05 (Boiler Emission Cap), GRP005 Which Months: All Year
EQT 006	Toluene	Max lb/hr	This source operates under a cap. The emissions shall be limited to the rates listed in EIQ No. CAP01-05 (Boiler Emission Cap), GRP005 Which Months: All Year
EQT 006	n-Hexane	Max lb/hr	This source operates under a cap. The emissions shall be limited to the rates listed in EIQ No. CAP01-05 (Boiler Emission Cap), GRP005 Which Months: All Year
EQT 007	1,2-Dichloroethane	Max lb/hr	This source operates under a cap. The emissions shall be limited to the rates listed in EIQ No. CAP01-05 (Boiler Emission Cap), GRP005 Which Months: All Year
EQT 007	Benzene	Max lb/hr	This source operates under a cap. The emissions shall be limited to the rates listed in EIQ No. CAP01-05 (Boiler Emission Cap), GRP005 Which Months: All Year
EQT 007	Chlorine	Max lb/hr	This source operates under a cap. The emissions shall be limited to the rates listed in EIQ No. CAP01-05 (Boiler Emission Cap), GRP005 Which Months: All Year
EQT 007	Chloroethane	Max lb/hr	This source operates under a cap. The emissions shall be limited to the rates listed in EIQ No. CAP01-05 (Boiler Emission Cap), GRP005 Which Months: All Year
EQT 007	Dichlorobenzene	Max lb/hr	This source operates under a cap. The emissions shall be limited to the rates listed in EIQ No. CAP01-05 (Boiler Emission Cap), GRP005 Which

# EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AID: 3544 - Occidental Chemical Corp - Convent Facility

Activity Number: PER19960001

Permit Number: 2560-00019-V1

Air - Title V Regular Permit Initial

## All phases

EQT 007	Formaldehyde	Max lb/hr	This source operates under a cap. The emissions shall be limited to the rates listed in EIQ No. CAP01-05 (Boiler Emission Cap), GRP005 Which Months: All Year
EQT 007	Hydrochloric acid	Max lb/hr	This source operates under a cap. The emissions shall be limited to the rates listed in EIQ No. CAP01-05 (Boiler Emission Cap), GRP005 Which Months: All Year
EQT 007	Naphthalene	Max lb/hr	This source operates under a cap. The emissions shall be limited to the rates listed in EIQ No. CAP01-05 (Boiler Emission Cap), GRP005 Which Months: All Year
EQT 007	Polynuclear Aromatic Hydrocarbons	Max lb/hr	This source operates under a cap. The emissions shall be limited to the rates listed in EIQ No. CAP01-05 (Boiler Emission Cap), GRP005 Which Months: All Year
EQT 007	Toluene	Max lb/hr	This source operates under a cap. The emissions shall be limited to the rates listed in EIQ No. CAP01-05 (Boiler Emission Cap), GRP005 Which Months: All Year
EQT 007	n-Hexane	Max lb/hr	This source operates under a cap. The emissions shall be limited to the rates listed in EIQ No. CAP01-05 (Boiler Emission Cap), GRP005 Which Months: All Year
EQT 011	1,2-Dichloroethane	Max lb/hr	This source operates under a cap. The emissions shall be limited to the rates listed in EIQ No. CAP01-05 (Boiler Emission Cap), GRP005 Which Months: All Year
EQT 011	Benzene	Max lb/hr	This source operates under a cap. The emissions shall be limited to the rates listed in EIQ No. CAP01-05 (Boiler Emission Cap), GRP005 Which Months: All Year
EQT 011	Chlorine	Max lb/hr	This source operates under a cap. The emissions shall be limited to the rates listed in EIQ No. CAP01-05 (Boiler Emission Cap), GRP005 Which Months: All Year
EQT 011	Chloroethane	Max lb/hr	This source operates under a cap. The emissions shall be limited to the rates listed in EIQ No. CAP01-05 (Boiler Emission Cap), GRP005 Which Months: All Year
EQT 011	Dichlorobenzene	Max lb/hr	This source operates under a cap. The emissions shall be limited to the rates listed in EIQ No. CAP01-05 (Boiler Emission Cap), GRP005 Which Months: All Year
EQT 011	Formaldehyde	Max lb/hr	This source operates under a cap. The emissions shall be limited to the rates listed in EIQ No. CAP01-05 (Boiler Emission Cap), GRP005 Which Months: All Year
EQT 011	Hydrochloric acid	Max lb/hr	This source operates under a cap. The emissions shall be limited to the rates listed in EIQ No. CAP01-05 (Boiler Emission Cap), GRP005 Which Months: All Year
EQT 011	Naphthalene	Max lb/hr	This source operates under a cap. The emissions shall be limited to the rates listed in EIQ No. CAP01-05 (Boiler Emission Cap), GRP005 Which Months: All Year
EQT 011	Polynuclear Aromatic Hydrocarbons	Max lb/hr	This source operates under a cap. The emissions shall be limited to the rates listed in EIQ No. CAP01-05 (Boiler Emission Cap), GRP005 Which Months: All Year
EQT 011	Toluene	Max lb/hr	This source operates under a cap. The emissions shall be limited to the rates listed in EIQ No. CAP01-05 (Boiler Emission Cap), GRP005 Which Months: All Year
EQT 011	n-Hexane	Max lb/hr	This source operates under a cap. The emissions shall be limited to the rates listed in EIQ No. CAP01-05 (Boiler Emission Cap), GRP005 Which Months: All Year
EQT 012	1,2-Dichloroethane	Max lb/hr	This source operates under a cap. The emissions shall be limited to the rates listed in EIQ No. CAP01-05 (Boiler Emission Cap), GRP005 Which Months: All Year
EQT 012	Benzene	Max lb/hr	This source operates under a cap. The emissions shall be limited to the rates listed in EIQ No. CAP01-05 (Boiler Emission Cap), GRP005 Which Months: All Year
EQT 012	Chlorine	Max lb/hr	This source operates under a cap. The emissions shall be limited to the rates listed in EIQ No. CAP01-05 (Boiler Emission Cap), GRP005 Which Months: All Year
EQT 012	Chloroethane	Max lb/hr	This source operates under a cap. The emissions shall be limited to the rates listed in EIQ No. CAP01-05 (Boiler Emission Cap), GRP005 Which Months: All Year
EQT 012	Dichlorobenzene	Max lb/hr	This source operates under a cap. The emissions shall be limited to the rates listed in EIQ No. CAP01-05 (Boiler Emission Cap), GRP005 Which Months: All Year
EQT 012	Formaldehyde	Max lb/hr	This source operates under a cap. The emissions shall be limited to the rates listed in EIQ No. CAP01-05 (Boiler Emission Cap), GRP005 Which Months: All Year

## EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 3544 - Occidental Chemical Corp - Convent Facility

Activity Number: PER1996001

Permit Number: 2560-00019-V1

Air - Title V Regular Permit Initial

### All phases

EQT 012	Hydrochloric acid	Max lb/hr	This source operates under a cap. The emissions shall be limited to the rates listed in EIQ No. CAP01-05 (Boiler Emission Cap), GRP005 Which Months: All Year
EQT 012	Naphthalene	Max lb/hr	This source operates under a cap. The emissions shall be limited to the rates listed in EIQ No. CAP01-05 (Boiler Emission Cap), GRP005 Which Months: All Year
EQT 012	Polynuclear Aromatic Hydrocarbons	Max lb/hr	This source operates under a cap. The emissions shall be limited to the rates listed in EIQ No. CAP01-05 (Boiler Emission Cap), GRP005 Which Months: All Year
EQT 012	Toluene	Max lb/hr	This source operates under a cap. The emissions shall be limited to the rates listed in EIQ No. CAP01-05 (Boiler Emission Cap), GRP005 Which Months: All Year
EQT 012	n-Hexane	Max lb/hr	This source operates under a cap. The emissions shall be limited to the rates listed in EIQ No. CAP01-05 (Boiler Emission Cap), GRP005 Which Months: All Year
GRP 005	1,2-Dichloroethane	Avg lb/hr	Boiler Emission Cap (EIQ No. CAP01-05) Which Months: All Year
GRP 005	1,2-Dichloroethane	Tons/year	Boiler Emission Cap (EIQ No. CAP01-05) Which Months: All Year
GRP 005	Benzene	Avg lb/hr	Boiler Emission Cap (EIQ No. CAP01-05) Which Months: All Year
GRP 005	Benzene	Tons/year	Boiler Emission Cap (EIQ No. CAP01-05) Which Months: All Year
GRP 005	Chlorine	Avg lb/hr	Boiler Emission Cap (EIQ No. CAP01-05) Which Months: All Year
GRP 005	Chlorine	Tons/year	Boiler Emission Cap (EIQ No. CAP01-05) Which Months: All Year
GRP 005	Chloroethane	Avg lb/hr	Boiler Emission Cap (EIQ No. CAP01-05) Which Months: All Year
GRP 005	Chloroethane	Tons/year	Boiler Emission Cap (EIQ No. CAP01-05) Which Months: All Year
GRP 005	Dichlorobenzene	Avg lb/hr	Boiler Emission Cap (EIQ No. CAP01-05) Which Months: All Year
GRP 005	Dichlorobenzene	Tons/year	Boiler Emission Cap (EIQ No. CAP01-05) Which Months: All Year
GRP 005	Formaldehyde	Avg lb/hr	Boiler Emission Cap (EIQ No. CAP01-05) Which Months: All Year
GRP 005	Formaldehyde	Tons/year	Boiler Emission Cap (EIQ No. CAP01-05) Which Months: All Year
GRP 005	Hydrochloric acid	Avg lb/hr	Boiler Emission Cap (EIQ No. CAP01-05) Which Months: All Year
GRP 005	Hydrochloric acid	Tons/year	Boiler Emission Cap (EIQ No. CAP01-05) Which Months: All Year
GRP 005	Naphthalene	Avg lb/hr	Boiler Emission Cap (EIQ No. CAP01-05) Which Months: All Year
GRP 005	Naphthalene	Tons/year	Boiler Emission Cap (EIQ No. CAP01-05) Which Months: All Year
GRP 005	Polynuclear Aromatic Hydrocarbons	Avg lb/hr	Boiler Emission Cap (EIQ No. CAP01-05) Which Months: All Year
GRP 005	Polynuclear Aromatic Hydrocarbons	Tons/year	Boiler Emission Cap (EIQ No. CAP01-05) Which Months: All Year
GRP 005	Toluene	Avg lb/hr	Boiler Emission Cap (EIQ No. CAP01-05) Which Months: All Year
GRP 005	Toluene	Tons/year	Boiler Emission Cap (EIQ No. CAP01-05) Which Months: All Year
GRP 005	n-Hexane	Avg lb/hr	Boiler Emission Cap (EIQ No. CAP01-05) Which Months: All Year
GRP 005	n-Hexane	Tons/year	Boiler Emission Cap (EIQ No. CAP01-05) Which Months: All Year

**AIR PERMIT BRIEFING SHEET**  
**AIR PERMITS DIVISION**  
**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**OXYCHEM**  
**AGENCY INTEREST NO.: 3544**  
**OCCIDENTAL CHEMICAL CORPORATION – BASIC CHEMICALS GROUP**  
**CONVENT, ST. JAMES PARISH, LOUISIANA**

**VII. Effects on Ambient Air**

Dispersion Model(s) Used: <None>

Pollutant	Time Period	Calculated Maximum Ground Level Concentration	Louisiana Air Quality Standard (NAAQS)
N/A			

**VIII. General Condition XVII Activities**

Activity ID No.	Activity	Frequency of Activity
01-GCXVII	Sample Collection	3,285/yr
02-GCXVII	Cell Head Removal	730/yr
03-GCXVII	Mist Elements Replacement/Discard Piping Removal /Discard	240 ft/yr 800 ft/yr
04-GCXVII	EDC Hose Disconnects from Marine Loading Operations	208/yr
05-GCXVII	EDC Tank Strapping	3,276/yr
06-GCXVII	EDC PSV Removal/Replacement	18/yr
07-GCXVII	Depressuring Ethylene Pipeline	4/yr
08-GCXVII	Solvent Filter Change-Out	76/yr
09-GCXVII	Pump Swap-Outs and Maintenance	104/yr
10-GCXVII	Reboiler Swap-Outs and Cleaning	24/yr

Activity ID No.	Total Annual Emissions (TPY)					
	PM <sub>10</sub>	SO <sub>2</sub>	NO <sub>x</sub>	CO	VOC	Chlorine
01-GCXVII	-	-	-	-	0.02	0.01
02-GCXVII	-	-	-	-	-	< 0.01
03-GCXVII	-	-	-	-	-	< 0.01
04-GCXVII	-	-	-	-	0.03	-
05-GCXVII	-	-	-	-	0.11	-
06-GCXVII	-	-	-	-	0.03	-
07-GCXVII	-	-	-	-	1.00	-
08-GCXVII	-	-	-	-	0.57	-
09-GCXVII	-	-	-	-	0.14	-
10-GCXVII	-	-	-	-	0.25	-
<b>Total</b>	-	-	-	-	2.15*	0.01

\* Of the VOC total, 0.59 tpy are EDC and 0.06 tpy are Naphthalene.

## SPECIFIC REQUIREMENTS

AI ID: 3544 - Occidental Chemical Corp - Convent Facility  
Activity Number: PER19960001  
Permit Number: 2560-00019-V1  
Air - Title V Regular Permit Initial

### EQT001 01-78 HCL Fume Scrubber (1C-8)

- 1 Scrubbing Agent (Treated Brine): Flow rate  $\geq$  3.0 gallons/min (State-Only Requirement). [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: None specified
- 2 Flow rate monitored by flow rate monitoring device once per 12 hour period (State-Only Requirement). [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: None specified
- 3 Flow rate recordkeeping by electronic or hard copy once per 12 hour period (State-Only Requirement). [LAC 33:III.501.C.6]
- 4 Submit report: Due annually, by the 31st of March for the preceding calendar year. List the hours that the scrubber operated out of the ranges specified. Submit report to the Office of Environmental Compliance, Enforcement Division (State-Only Requirement). [LAC 33:III.501.C.6]

### EQT002 02-78 Chlorine Seal Pot Scrubber (3C-3)

- 5 Scrubbing Agent (Sodium Hydroxide): Sodium Hydroxide  $\geq$  4 % by weight when chlorine is vented to the scrubber (EIQ No. 02-78) (State-Only Requirement). [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: None specified
- 6 Submit report: Due annually, by the 31st of March for the preceding calendar year. List the hours that the scrubber operated out of the ranges specified. Submit report to the Office of Environmental Compliance, Enforcement Division (State-Only Requirement). [LAC 33:III.501.C.6]
- 7 Scrubbing Agent (Sodium Hydroxide): Flow rate  $\geq$  1800 gallons/min when chlorine is vented to the scrubber (EIQ No. 02-78) (State-Only Requirement). [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: None specified
- 8 Flow rate monitored by flow rate monitoring device at the approved frequency. Flow rate shall be monitored while chlorine is venting to the scrubber. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: None specified
- 9 Flow rate recordkeeping by electronic or hard copy at the approved frequency. Flow rate records shall be kept while chlorine is venting to the scrubber. [LAC 33:III.501.C.6]
- 10 Sodium Hydroxide concentration monitored by technically sound method at the approved frequency (twice per 12-hour period), (State-Only Requirement). [LAC 33:III.501.C.6]
- 11 Sodium Hydroxide concentration recordkeeping by electronic or hard copy at the approved frequency (twice per 12-hour period), (State-Only Requirement). [LAC 33:III.501.C.6]

### EQT003 04-78 Emergency CL2 Neutralization Tanks

- 12 Submit report: Due annually, by the 31st of March for the preceding calendar year. List the hours that the neutralization tanks operated out of the ranges specified. Submit report to the Office of Environmental Compliance, Enforcement Division (State-Only Requirement). [LAC 33:III.501.C.6]
- 13 Sodium Hydroxide  $\geq$  4 % by weight when chlorine is vented to the neutralization tanks (EIQ No. 04-78) (State-Only Requirement). [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: None specified
- 14 Sodium Hydroxide concentration monitored by technically sound method once per 12-hour period (State-Only Requirement). [LAC 33:III.501.C.6]
- 15 Sodium Hydroxide concentration recordkeeping by electronic or hard copy once per 12-hour period (State-Only Requirement). [LAC 33:III.501.C.6]

### EQT005 07-78 Boiler F-1

- 16 Opacity  $\leq$  20 percent, except during the cleaning of a fire box or equipment changes, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes [LAC 33:III.101.B]  
Which Months: All Year Statistical Basis: None specified

## SPECIFIC REQUIREMENTS

AI ID: 3544 - Occidental Chemical Corp - Convent Facility  
Activity Number: PER19960001  
Permit Number: 2560-0019-V1  
Air - Title V Regular Permit Initial

### EQT005      07-78 Boiler F-1

- 17 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). [LAC 33:III.1311.C]  
Which Months: All Year Statistical Basis: Six-minute average
- 18 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]  
Which Months: All Year Statistical Basis: None specified
- 19 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least five years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]
- 20 Equipment/operational data monitored by technically sound method continuously. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: None specified
- 21 Equipment/operational data <= 225.0 MM BTU/hr natural gas heat input. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the boiler natural gas heat input exceeds the maximum listed in this specific condition for any twelve consecutive month period. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: None specified
- 22 Equipment/operational data recordkeeping by electronic or hard copy monthly. Keep monthly records of the natural gas heat input to this boiler (EIQ 7-78), as well as the total heat input for the last twelve months. Make records available for inspection by DEQ personnel. [LAC 33:III.501.C.6]
- 23 Submit report: Due annually, by the 31st of March. Report the total natural gas heat input for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]

### EQT006      08-78 Boiler F-6 (Vent Gas-S)

- 24 Opacity <= 20 percent, except during the cleaning of a fire box or equipment changes, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.101.B]  
Which Months: All Year Statistical Basis: None specified
- 25 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). [LAC 33:III.1311.C]  
Which Months: All Year Statistical Basis: Six-minute average
- 26 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]  
Which Months: All Year Statistical Basis: None specified
- 27 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least five years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

### EQT007      09-78 Boiler F-5 (Vent Gas-N)

- 28 Opacity <= 20 percent, except during the cleaning of a fire box or equipment changes, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.101.B]  
Which Months: All Year Statistical Basis: None specified

## SPECIFIC REQUIREMENTS

AI ID: 3544 - Occidental Chemical Corp - Convent Facility  
Activity Number: PER1996001  
Permit Number: 2560-0019-V1  
Air - Title V Regular Permit Initial

### EQT007      09-78 Boiler F-5 (Vent Gas-N)

- 29 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). [LAC 33:III.1311.C]  
Which Months: All Year   Statistical Basis: Six-minute average  
30 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]  
Which Months: All Year   Statistical Basis: None specified  
31 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

### EQT011      17-78 Carbonation Tower (38C-2)

- 32 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]  
Which Months: All Year   Statistical Basis: None specified  
33 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). [LAC 33:III.1311.C]  
Which Months: All Year   Statistical Basis: Six-minute average  
34 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]  
Which Months: All Year   Statistical Basis: None specified

### EQT012      18-78 Carbonation Tower (38C-1)

- 35 Opacity <= 20 percent, except during the cleaning of a fire box or equipment changes, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]  
Which Months: All Year   Statistical Basis: None specified  
36 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). [LAC 33:III.1311.C]  
Which Months: All Year   Statistical Basis: Six-minute average  
37 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]  
Which Months: All Year   Statistical Basis: None specified

### EQT013      20-78 Gasoline Storage Tank (73D-2)

- 38 Equip with a submerged fill pipe. [LAC 33:III.2103.A]  
39 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]  
40 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I.]

### EQT014      26-91 Cathode Electric Oven (2F-1)

- 41 There shall be no visible emissions to the outside air from the manufacture of chlorine utilizing asbestos diaphragm technology. [LAC 33:III.5151.E.1.i]

## SPECIFIC REQUIREMENTS

AI ID: 3544 - Occidental Chemical Corp - Convent Facility  
Activity Number: PER19960001  
Permit Number: 2560-00019-V1  
Air - Title V Regular Permit Initial

### EQT014      26-91 Cathode Electric Oven (2F-1)

- 42 Permittee shall comply with all applicable manufacturing and fabricating standards of LAC 33:III.5151.E. [LAC 33:III.5151.E]
- 43 Permittee shall comply with all applicable waste disposal standards for manufacturing and fabricating operations as cited in LAC 33:III.5151.J. [LAC 33:III.5151.J]
- 44 Permittee shall comply with all applicable recordkeeping and reporting requirements of LAC 33:III.5151.M. [LAC 33:III.5151.M]
- 45 Permittee shall not discharge visible emissions to the outside air from the manufacture of chlorine utilizing asbestos diaphragm technology or from any building or structure in which they are conducted or from any other fugitive sources. [40 CFR 61.144(b)(1)]
- 46 Permittee shall comply with all applicable manufacturing standards of 40 CFR 61.144. [40 CFR 61.144]
- 47 Permittee shall comply with all applicable waste disposal standards for manufacturing and fabricating operations as cited in 40 CFR 61.150. [40 CFR 61.150]

### EQT020      33-94 EDC Storage Tank (20D-1)

- 48 Equip with a submerged fill pipe. [LAC 33:III.2103.B]
- 49 Equip with a vapor loss control system, consisting of a gathering system capable of collecting volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place. [LAC 33:III.2103.B]
- 50 VOC, Total  $\geq$  95 % control efficiency. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year. [LAC 33:III.2103.E.1]
- 51 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]
- 52 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

### EQT021      34-94 EDC Storage Tank (20D-2)

- 53 Equip with a submerged fill pipe. [LAC 33:III.2103.B]
- 54 Equip with a vapor loss control system, consisting of a gathering system capable of collecting volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place. [LAC 33:III.2103.B]
- 55 VOC, Total  $\geq$  95 % control efficiency. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year. [LAC 33:III.2103.E.1]
- 56 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]
- 57 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

### EQT022      35-94 EDC Storage Tank (20D-3)

- 58 Equip with a submerged fill pipe. [LAC 33:III.2103.B]
- 59 Equip with a vapor loss control system, consisting of a gathering system capable of collecting volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place. [LAC 33:III.2103.B]
- 60 VOC, Total  $\geq$  95 % control efficiency. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year. [LAC 33:III.2103.E.1]
- 61 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

## SPECIFIC REQUIREMENTS

AI ID: 3544 - Occidental Chemical Corp - Convent Facility

Activity Number: PER19960001

Permit Number: 2560-0019-V1

Air - Title V Regular Permit Initial

### EQT022      35-94 EDC Storage Tank (20D-3)

- 62 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I.]

### EQT023      36-94 EDC Storage Tank (20D-11)

63 Equip with a submerged fill pipe. [LAC 33:III.2103.B]

64 Equip with a vapor loss control system, consisting of a gathering system capable of collecting volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place. [LAC 33:III.2103.B]

65 VOC, Total >= 95 % control efficiency. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year. [LAC 33:III.2103.E.]

66 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]

67 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I.]

68 Permittee shall comply with 40 CFR 60.485(b) to determine the presence of leaking sources. [40 CFR 60.112b(a)(3)(i)]

69 Closed vent system: Design to collect all VOC vapors and gases discharged from the storage vessel. Subpart Kb. [40 CFR 60.112b(a)(3)(ii)]

70 VOC, Total > 95 % reduction efficiency using a closed vent system and control device. Subpart Kb. [40 CFR 60.112b(a)(3)(iii)]

71 Which Months: All Year Statistical Basis: None specified

71 Submit an operating plan as an attachment to the notification required by 40 CFR 60.7(a)(1) or, if the facility is exempt from 40 CFR 60.7(a)(1), as an attachment to the notification required by 40 CFR 60.7(a)(2), for approval by DEQ. The operating plan shall contain the information listed in 40 CFR 60.113b(c)(1) and (ii). Subpart Kb. [40 CFR 60.113b(c)(1)]

72 Operate the closed vent system and control device in accordance with the operating plan submitted to DEQ in accordance with 40 CFR 60.113b(c)(1) of this section, unless the plan was modified by DEQ during the review process. In this case, the modified plan applies. Subpart Kb. [40 CFR 60.113b(c)(2)]

73 Equipment/operational data monitored by the regulation's specified method(s) at the regulation's specified frequency. Monitor the parameters of the closed vent system and control device in accordance with the operating plan submitted to DEQ in accordance with 40 CFR 60.113b(c)(1) of this section, unless the plan was modified by DEQ during the review process. In this case, the modified plan applies. Subpart Kb. [40 CFR 60.113b(c)(2)]

74 Which Months: All Year Statistical Basis: None specified

74 Operating plan recordkeeping by electronic or hard copy continuously. Keep copies of all records for the life of the control equipment. Subpart Kb. [40 CFR 60.115b(c)(1)]

75 Monitoring data recordkeeping by electronic or hard copy continuously Monitoring data recordkeeping by electronic or hard copy upon measurement in accordance with the operating plan of 40 CFR 60.113b(c)(2). Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.115b(c)(2)]

76 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Keep copies of all records for the life of the source as specified by 40 CFR 60.116b(a). Subpart Kb. [40 CFR 60.116b(b)]

### EQT024      37-94 EDC Storage Tank (20D-12)

77 Equip with a submerged fill pipe. [LAC 33:III.2103.B]

78 Equip with a vapor loss control system, consisting of a gathering system capable of collecting volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place. [LAC 33:III.2103.B]

79 VOC, Total >= 95 % control efficiency. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year. [LAC 33:III.2103.E.]

## SPECIFIC REQUIREMENTS

AI ID: 3544 - Occidental Chemical Corp - Convent Facility  
Activity Number: PER19960001  
Permit Number: 2560-00019-V1  
Air - Title V Regular Permit Initial

### EQT024      37-94 EDC Storage Tank (20D-12)

- 80 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3-a-e. [LAC 33:III.2103.H.3]
- 81 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I.]
- 82 Permittee shall comply with 40 CFR 60.485(b) to determine the presence of leaking sources. [40 CFR 60.112b(a)(3)(i)]
- 83 Closed vent system: Design to collect all VOC vapors and gases discharged from the storage vessel. Subpart Kb. [40 CFR 60.112b(a)(3)(i)]
- 84 VOC, Total  $\geq 95\%$  reduction efficiency using a closed vent system and control device. Subpart Kb. [40 CFR 60.112b(a)(3)(ii)]
- Which Months: All Year   Statistical Basis: None specified
- 85 Submit an operating plan as an attachment to the notification required by 40 CFR 60.7(a)(1) or, if the facility is exempt from 40 CFR 60.7(a)(1), as an attachment to the notification required by 40 CFR 60.7(a)(2), for approval by DEQ. The operating plan shall contain the information listed in 40 CFR 60.113b(c)(1)(i) and (ii). Subpart Kb. [40 CFR 60.113b(c)(1)]
- 86 Equipment/operational data monitored by the regulation's specified method(s) at the regulation's specified frequency. Monitor the parameters of the closed vent system and control device in accordance with the operating plan submitted to DEQ in accordance with 40 CFR 60.113b(c)(1) of this section, unless the plan was modified by DEQ during the review process. In this case, the modified plan applies. Subpart Kb. [40 CFR 60.113b(c)(2)]
- Which Months: All Year   Statistical Basis: None specified
- 87 Operate the closed vent system and control device in accordance with the operating plan submitted to DEQ in accordance with 40 CFR 60.113b(c)(1) of this section, unless the plan was modified by DEQ during the review process. In this case, the modified plan applies. Subpart Kb. [40 CFR 60.113b(c)(2)]
- 88 Operating plan recordkeeping by electronic or hard copy continuously. Keep copies of all records for the life of the control equipment. Subpart Kb. [40 CFR 60.115b(c)(1)]
- 89 Monitoring data recordkeeping by electronic or hard copy continuously. Monitoring data recordkeeping by electronic or hard copy upon measurement in accordance with the operating plan of 40 CFR 60.113b(c)(2). Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.115b(c)(2)]
- 90 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Keep copies of all records for the life of the source as specified by 40 CFR 60.116b(a). Subpart Kb. [40 CFR 60.116b(b)]
- 
- EQT025      38-94 Crude EDC Tank (6D-1A)
- 91 Equip with a submerged fill pipe. [LAC 33:III.2103.B]
- 92 Equip with a vapor loss control system, consisting of a gathering system capable of collecting volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place. [LAC 33:III.2103.B]
- 93 VOC, Total  $\geq 95\%$  control efficiency. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year. [LAC 33:III.2103.E.1]
- 94 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3-a-e. [LAC 33:III.2103.H.3]
- 95 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I.]
- 
- EQT026      39-94 Crude EDC Tank (6D-1B)
- 96 Equip with a submerged fill pipe. [LAC 33:III.2103.B]
- 97 Equip with a vapor loss control system, consisting of a gathering system capable of collecting volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place. [LAC 33:III.2103.B]

## SPECIFIC REQUIREMENTS

AI ID: 3544 - Occidental Chemical Corp - Convent Facility  
Activity Number: PER19960001  
Permit Number: 2560-00019-V1  
Air - Title V Regular Permit Initial

### EQT026 39-94 Crude EDC Tank (6D-1B)

- 98 VOC, Total  $\geq$  95 % control efficiency. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year. [LAC 33:III.2103.E.]  
99 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]  
100 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I.]

### EQT028 41-94 Wet Rework Tank (6D-7)

- 101 Equip with a vapor loss control system, consisting of a gathering system capable of collecting volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place. [LAC 33:III.2103.B]  
102 VOC, Total  $\geq$  95 % control efficiency. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year. [LAC 33:III.2103.E.]  
103 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e. [LAC 33:III.2103.H.3]  
104 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I.]

### EQT033 49-97 Cooling Towers

- 105 Opacity  $\leq$  20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]  
Which Months: All Year Statistical Basis: None specified

### EQT034 50-02 Diesel Engines

- 106 Opacity  $\leq$  20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]  
Which Months: All Year Statistical Basis: None specified  
107 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least five years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

### EQT035 52-05 Cell Renewal Glove Box Vent

- 108 The department may prescribe air quality control requirements that are more restrictive and more extensive than provided for in LAC 33:III.1313.C and 1311 if the particulate matter emitted is toxic, or a deleterious substance which may affect human health or well-being or which would cause significant damage to animal or plant life. [LAC 33:III.1315.A]  
109 There shall be no visible emissions to the outside air from the manufacture of chlorine utilizing asbestos diaphragm technology. [LAC 33:III.5151.E.1.i]  
110 Permittee shall comply with all applicable manufacturing and fabricating standards of LAC 33:III.5151.E. [LAC 33:III.5151.E]  
111 Permittee shall comply with all applicable waste disposal standards for manufacturing and fabricating operations as cited in LAC 33:III.5151.J. [LAC 33:III.5151.J]  
112 Permittee shall comply with all applicable recordkeeping and reporting requirements of LAC 33:III.5151.M. [LAC 33:III.5151.M]

## SPECIFIC REQUIREMENTS

A1 ID: 3544 - Occidental Chemical Corp - Convent Facility

Activity Number: PER19960001

Permit Number: 2560-00019-V1

Air - Title V Regular Permit Initial

### EQT035      52-05 Cell Renewal Glove Box Vent

113 Permittee shall not discharge visible emissions to the outside air from the manufacture of chlorine utilizing asbestos diaphragm technology or from any building or structure in which they are conducted or from any other fugitive sources. [40 CFR 61.144(b)(1)]

114 Permittee shall comply with all applicable manufacturing standards of 40 CFR 61.144. [40 CFR 61.144]

115 Permittee shall comply with all applicable waste disposal standards for manufacturing and fabricating operations as cited in 40 CFR 61.150. [40 CFR 61.150]

### EQT039      FGD Scrubber (36C-2)

116 Scrubbing Agent (Sodium Hydroxide): Flow rate  $\geq 450$  gallons/min (State-Only Requirement). [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: None specified

117 pH monitored by pH instrument continuously (State-Only Requirement). [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: None specified

118 pH recordkeeping by electronic or hard copy continuously (State-Only Requirement). [LAC 33:III.501.C.6]

119 For backflushing of the system, maintain pH  $\geq 6.0$  s.u. for 6 hours per week (State-Only Requirement). [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: None specified

120 Submit report: Due annually, by the 31st of March for the preceding calendar year. List the hours that the scrubber operated out of the ranges specified. Submit report to the Office of Environmental Compliance, Enforcement Division (State-Only Requirement). [LAC 33:III.501.C.6]

121 Flow rate monitored by flow rate monitoring device once every four hours (State-Only Requirement). [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: None specified

122 Feed rate recordkeeping by electronic or hard copy once every four hours (State-Only Requirement). [LAC 33:III.501.C.6]

123 pH  $\geq 6.9$  s.u. (State-Only Requirement). [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: None specified

124 Permittee shall comply with all applicable requirements of Compliance Assurance Monitoring (CAM) 40 CFR Part 64. [40 CFR 64.2]

125 This source shall comply with all applicable requirements of Compliance Assurance Monitoring (CAM), 40 CFR Part 64. OxyChem has submitted a CAM Plan to LDEQ pending approval. Once approved, OxyChem shall comply with all provisions included in the approved Compliance Assurance Monitoring (CAM) plan. [40 CFR 64.2]

### FUG001      22-85 Plantwide Fugitive Emissions

126 Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment. [LAC 33:III.21(1)]

127 Permittee shall implement a streamlined Leak Detection and Repair (LDAR) program using 40 CFR 63 Subpart H in accordance with Part 70 Specific Condition No. 1 located in the Title V permit. The program shall comply with the Louisiana Fugitive Emission Program Consolidation (LFEPC) guidelines. [LAC 33:III.501.C.6]

128 Comply with 40 CFR 60 Subpart VV, LAC 33:III.21, and 40 CFR 264 Subparts BB & CC (RCRA) by implementing the Louisiana Consolidated Fugitive Emission Program Guidelines. Compliance is achieved through compliance with 40 CFR 63 Subpart H (HON). [40 CFR 60.480, LAC 33:III.21(1.A)]

129 Identify each piece of equipment in a process unit such that it can be distinguished readily from equipment that is not subject to 40 CFR 63 Subpart H. Subpart H. [40 CFR 63.162(c)]

130 Clearly identify leaking equipment, for leaking equipment detected as specified in 40 CFR 63.163, 40 CFR 63.164, 40 CFR 63.168, 40 CFR 63.169, and 40 CFR 63.172 through 63.174. The identification may be removed after the equipment is repaired, except for valves or for connectors subject to 40 CFR 63.174(c)(1)(i). The identification on a valve may be removed after it has been monitored as specified in 40 CFR 63.168(f)(3) and 63.175(e)(1)(D), and no leak has been detected during the follow-up monitoring. If electing to comply using the provisions of 40 CFR 63.174(c)(1)(i), the identification on a connector may be removed after it is monitored as specified in 40 CFR 63.174(c)(1)(i) and no leak is detected during that monitoring. Subpart H. [40 CFR 63.162(f)]

## SPECIFIC REQUIREMENTS

AI ID: 3544 - Occidental Chemical Corp - Convent Facility  
Activity Number: PER19960001  
Permit Number: 2560-0019-Y1  
Air - Title V Regular Permit Initial

### FUG001      22-85 Plantwide Fugitive Emissions

- 131 Pumps in light liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 monthly to detect leaks, except as provided in 40 CFR 63.162(b) and 63.163(e) through (j). If a reading of 10,000 ppm (phase I); 5,000 ppm (phase II); or 5,000 ppm (phase III, pumps handling polymerizing monomers), 2,000 ppm (phase III, pumps in food/medical service), or 1,000 ppm (phase III, all other pumps) or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.163(c). Subpart H. [40 CFR 63.163(b)(1)]
- Which Month: All Year    Statistical Basis: None specified
- 132 Pumps in light liquid service: Presence of a leak monitored by visual inspection/determination weekly (calendar). Monitor for indications of liquids dripping from the pump seal. If there are indications of liquids dripping from the pump seal, a leak is detected. If a leak is detected, initiate the repair provisions specified in 40 CFR 63.163(c). Subpart H. [40 CFR 63.163(b)(3)]
- Which Month: All Year    Statistical Basis: None specified
- 133 Pumps in light liquid service: Make a first attempt at repair no later than 5 calendar days after a leak is detected, and complete repairs no later than 15 calendar days after the leak is detected, except as provided in 40 CFR 63.163(c)(3) and 40 CFR 63.171. Subpart H. [40 CFR 63.163(c)]
- 134 Pumps in light liquid service: Implement a quality improvement program for pumps that complies with the requirements of 40 CFR 63.176, if, in Phase III, calculated on a 6-month rolling average, the greater of either 10 percent of the pumps in a process unit or three pumps in a process unit leak. Subpart H. [40 CFR 63.163(d)(2)]
- 135 Pumps in light liquid service: Determine percent leaking pumps using the equation in 40 CFR 63.163(d)(4). Subpart H. [40 CFR 63.163(d)(4)]
- 136 Pumps in light liquid service (dual mechanical seal system): Operate with the barrier fluid at a pressure that is at all times greater than the pump stuffing box pressure; or equip with a barrier fluid degassing reservoir that is routed to a process or fuel gas system or connected by a closed-vent system to a control device that complies with the requirements of 40 CFR 63.172; or equip with a closed-loop system that purges the barrier fluid into a process stream. Subpart H. [40 CFR 63.163(e)(1)]
- 137 Pumps in light liquid service (dual mechanical seal system): Ensure that the barrier fluid is not in light liquid service. Subpart H. [40 CFR 63.163(e)(2)]
- 138 Pumps in light liquid service (dual mechanical seal system): Equip barrier fluid system with a sensor that will detect failure of the seal system, barrier fluid system, or both. Subpart H. [40 CFR 63.163(e)(3)]
- 139 Pumps in light liquid service (dual mechanical seal system): Presence of a leak monitored by visual inspection/determination weekly (calendar). Monitor for indications of liquids dripping from the pump seal. If there are indications of liquid dripping from the pump seal at the time of the weekly inspection, monitor the pump as specified in 40 CFR 63.180(b) to determine if there is a leak of organic HAP in the barrier fluid. If an instrument reading of 1,000 ppm or greater is measured, a leak is detected. If a leak is detected, initiate the repair provisions in 40 CFR 63.163(e)(6). Subpart H. [40 CFR 63.163(e)(4)]
- Which Month: All Year    Statistical Basis: None specified
- 140 Pumps in light liquid service (dual mechanical seal system): Determine, based on design considerations and operating experience, criteria that indicates failure of the seal system, the barrier fluid system, or both. Subpart H. [40 CFR 63.163(e)(6)(i)]
- 141 Pumps in light liquid service (dual mechanical seal system): Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after the leak is detected, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.163(e)(6)]
- 142 Pumps in light liquid service (dual mechanical seal system - sensor): Equipment/operational data monitored by visual inspection/determination daily, or equip with an audible alarm unless the pump is located within the boundary of an unmanned plant site. If the sensor indicates failure of the seal system, the barrier fluid system, or both based on the criteria established in 40 CFR 63.163(e)(6), a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.163(e)(6). Subpart H. [40 CFR 63.163(e)]
- Which Month: All Year    Statistical Basis: None specified
- 143 Pumps in light liquid service (unsafe-to-monitor): Determine that the pump is unsafe-to-monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with 40 CFR 63.163(b) through (d). Subpart H. [40 CFR 63.163(j)(1)]

## SPECIFIC REQUIREMENTS

AI ID: 3544 - Occidental Chemical Corp - Convent Facility  
Activity Number: PER19960001  
Permit Number: 2560-00019-V1  
Air - Title V Regular Permit Initial

### FUG001 22-85 Plantwide Fugitive Emissions

- 144 Pumps in light liquid service (unsafe-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires monitoring of the pump as frequently as practicable during safe-to-monitor times but not more frequently than the periodic monitoring schedule otherwise applicable. Subpart H. [40 CFR 63.163(j)(2)]
- Which Months: All Year Statistical Basis: None specified
- 145 Compressors: Equip with a seal system that includes a barrier fluid system and that prevents leakage of process fluid to the atmosphere, except as provided in 40 CFR 63.162(b) and 40 CFR 63.164(h) and (i). Subpart H. [40 CFR 63.164(a)]
- 146 Compressors: Operate the seal system with the barrier fluid at a pressure that is greater than the compressor stuffing box pressure; or equip with a barrier fluid system degassing reservoir that is routed to a process or fuel gas system or connected by a closed-vent system to a control device that complies with the requirements of 40 CFR 63.172; or equip with a closed-loop system that purges the barrier fluid directly into a process stream. Subpart H. [40 CFR 63.164(b)]
- 147 Compressors: Ensure that the barrier fluid is not in liquid service. Subpart H. [40 CFR 63.164(c)]
- 148 Compressors: Equip each barrier fluid system as described in 40 CFR 63.164(a) through (c) with a sensor that will detect failure of the seal system, barrier fluid system, or both. Subpart H. [40 CFR 63.164(d)]
- 149 Compressors (sensor): Determine, based on design considerations and operating experience, a criterion that indicates failure of the seal system, the barrier fluid system, or both. Subpart H. [40 CFR 63.164(e)(2)]
- 150 Compressors: Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after each leak is detected, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.164(g)]
- 151 Compressors (no detectable emissions): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once initially and annually, and at other times requested by DEQ. Subpart H. [40 CFR 63.164(i)(2)]
- Which Months: All Year Statistical Basis: None specified
- 152 Compressors (sensor): Equipment/operational data monitored by visual inspection/determination daily, or equip with an alarm, unless the compressor is located within the boundary of an unmanned plant site. If the sensor indicates failure of the seal system, the barrier fluid system, or both based on the criterion determined under 40 CFR 63.164(e)(2), a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.164(g). Subpart H. [40 CFR 63.164]
- Which Months: All Year Statistical Basis: None specified
- 153 Pressure relief device in gas/vapor service: Organic HAP < 500 ppm above background except during pressure releases, as determined by the method specified in 63.180(c). Subpart H. [40 CFR 63.165(a)]
- Which Months: All Year Statistical Basis: None specified
- 154 Pressure relief devices in gas/vapor service: After each pressure release, return to a condition indicated by an instrument reading of less than 500 ppm above background, as soon as practicable, but no later than 5 calendar days after each pressure release, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.165(b)(1)]
- 155 Pressure relief devices in gas/vapor service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 within 5 days (calendar) after the pressure release and being returned to organic HAP service, to confirm the condition indicated by an instrument reading of less than 500 ppm above background, as measured by the method specified in 40 CFR 63.180(c). Subpart H. [40 CFR 63.165(b)(2)]
- Which Months: All Year Statistical Basis: None specified
- 156 Pressure relief devices in gas/vapor service (rupture disk): After each pressure release, install a new rupture disk upstream of the pressure relief device as soon as practicable, but no later than 5 calendar days after each pressure release, except as provided in 40 CFR 63.171. Subpart V. [40 CFR 63.165(d)(2)]
- 157 Sampling connection systems: Equip with a closed-purge, closed-loop, or closed-vent system, except as provided in 40 CFR 63.162(b). Operate the system as specified in 40 CFR 63.166(b). Subpart H. [40 CFR 63.166]

## SPECIFIC REQUIREMENTS

AI ID: 3544 - Occidental Chemical Corp - Convent Facility  
Activity Number: PER19960001  
Permit Number: 2560-0019-V1  
Air - Title V Regular Permit Initial

### FUG001 22-85 Plantwide Fugitive Emissions

- 158 Open-ended valves or lines: Equip with a cap, blind flange, plug, or a second valve, except as provided in 40 CFR 63.162(b) and 40 CFR 63.167(d) and (e). Ensure that the cap, blind flange, plug or second valve seals the open end at all times except during operations requiring process fluid flow through the open-ended valve or line, or during maintenance or repair. Operate each open-ended valve or line equipped with a second valve in a manner such that the valve on the process fluid end is closed before the second valve is closed. Subpart H. [40 CFR 63.167]
- 159 Valves in gas/vapor service or light liquid service (Phase III, 2 percent or greater leaking valves): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 monthly, as specified in 40 CFR 63.180(b); or implement a quality improvement program for valves that complies with the requirements of 40 CFR 63.175 and monitor quarterly. If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.168(f). If electing to implement a quality improvement program, follow the procedures in 40 CFR 63.175. Subpart H. [40 CFR 63.168(d)(1)]
- Which Months: All Year Statistical Basis: None specified
- 160 Valves in gas/vapor service or light liquid service (Phase III, less than 2 percent leaking valves): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 quarterly, as specified in 40 CFR 63.180(b). If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.168(f). Permittee may elect to comply with the alternate standards in 40 CFR 63.168(d)(3) and (d)(4). Subpart H. [40 CFR 63.168(d)(2)]
- Which Months: All Year Statistical Basis: None specified
- 161 Valves in gas/vapor service or light liquid service (after leak repair): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once within three months (at least) after repair to determine whether the valve has resumed leaking. Subpart H. [40 CFR 63.168(f)(3)]
- Which Months: All Year Statistical Basis: None specified
- 162 Valves in gas/vapor service or light liquid service (difficult-to-monitor): Make a first attempt at repair no later than 15 calendar days after a leak is detected, and complete repairs no later than 15 calendar days after the leak is detected, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.168(f)]
- 163 Valves in gas/vapor service or light liquid service (unsafe-to-monitor): Demonstrate that the valve is unsafe to monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with 40 CFR 63.168(b) through (d). Subpart H. [40 CFR 63.168(h)(1)]
- 164 Valves in gas/vapor service or light liquid service (unsafe-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires monitoring of the valves as frequently as practicable during safe-to-monitor times, but not more frequently than the periodic monitoring schedule otherwise applicable. Subpart H. [40 CFR 63.168(h)(2)]
- Which Months: All Year Statistical Basis: None specified
- 165 Valves in gas/vapor service or light liquid service (difficult-to-monitor): Demonstrate that the valve cannot be monitored without elevating the monitoring personnel more than 2 meters above a support surface or it is not accessible at anytime in a safe manner. Subpart H. [40 CFR 63.168(i)(1)]
- 166 Pumps, valves, connectors, and agitators in heavy liquid service; instrumentation systems; and pressure relief devices in liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 within 5 days (calendar) if evidence of a potential leak to the atmosphere is found by visible, audible, olfactory, or any other detection method. If a reading of 10,000 ppm for agitators, 5,000 ppm for pumps handling polymerizing monomers, 2,000 ppm for all other pumps (including pumps in food/medical service), or 500 ppm for valves, connectors, instrumentation systems, and pressure relief devices, or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.169(c). Subpart H. [40 CFR 63.169(a)]
- Which Months: All Year Statistical Basis: None specified
- 167 Pumps, valves, connectors, and agitators in heavy liquid service; instrumentation systems; and pressure relief devices in liquid service: Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after it each leak is detected, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.169(c)]

## SPECIFIC REQUIREMENTS

AI ID: 3544 - Occidental Chemical Corp - Convent Facility  
Activity Number: PER19960001  
Permit Number: 2560-0019-V1  
Air - Title V Regular Permit Initial

### FUG001      22-85 Plantwide Fugitive Emissions

- 170 Surge control vessels and bottoms receivers: Equip with a closed-vent system that routes the organic vapors vented from the surge control vessel or bottoms receiver back to the process or to a control device that complies with the requirements of 40 CFR 63.172, except as provided in 40 CFR 63.162(b), or comply with the requirements of 40 CFR 63.119(b) or (c), if surge control vessel or bottoms receiver is not routed back to the process and meets the conditions specified in 40 CFR 63 Subpart H Table 2 or Table 3. Subpart H. [40 CFR 63.170]
- 171 Agitators in gas/vapor service or light liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 monthly to detect leaks, as specified in 40 CFR 63.180(b). If an instrument reading of 10,000 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.173(c). Subpart H. [40 CFR 63.173(a)]
- 172 Agitators in gas/vapor service or light liquid service: Presence of a leak monitored by visual inspection/determination weekly (calendar) for indications of liquids dripping from the agitator. If there are indications of liquids dripping from the agitator, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.173(c). Subpart H. [40 CFR 63.173(b)]
- 173 Agitators in gas/vapor service or light liquid service: Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after it each leak is detected, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.173(c)]
- 174 Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Operate with the barrier fluid at a pressure that is at all times greater than the agitator stuffing box pressure; or equip with a barrier fluid degassing reservoir that is routed to a process or fuel gas system or connected by a closed-loop system to a control device that complies with the requirements of 40 CFR 63.172; or equip with a closed-loop system that purges the barrier fluid into a process stream. Subpart H. [40 CFR 63.173(d)(1)]
- 175 Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Ensure that the barrier fluid is not in light liquid organic HAP service. Subpart H. [40 CFR 63.173(d)(2)]
- 176 Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Equip barrier fluid system with a sensor that will detect failure of the seal system, barrier fluid system, or both. Subpart H. [40 CFR 63.173(d)(3)]
- 177 Agitators in gas/vapor service or light liquid service (dual mechanical seal system): Presence of a leak monitored by visual inspection/determination weekly (calendar). Monitor for indications of liquids dripping from the agitator seal. If there are indications of liquid dripping from the agitator seal at the time of the weekly inspection, monitor the agitator as specified in 40 CFR 63.180(b) to determine the presence of organic HAP in the barrier fluid. If an instrument reading of 10,000 ppm or greater is measured, a leak is detected. If a leak is detected, initiate the repair provisions in 40 CFR 63.173(d)(6). Subpart H. [40 CFR 63.173(d)(4)]
- 178 Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Determine, based on design considerations and operating experience, criteria that indicates failure of the seal system, the barrier fluid system, or both. Subpart H. [40 CFR 63.173(d)(6)(i)]
- 179 Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after the leak is detected, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.173(d)(6)]
- 180 Agitators in gas/vapor service or light liquid service (dual mechanical seal system - sensor): Equipment/operational data monitored by visual inspection/determination daily, or equip with an audible alarm unless the agitator is located within the boundary of an unmanned plant site. If the sensor indicates failure of the seal system, the barrier fluid system, or both based on the criteria established in 40 CFR 63.173(d)(6), a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.173(d)(6). Subpart H. [40 CFR 63.173(d)]
- 181 Agitators in gas/vapor service or light liquid service (difficult to monitor): Demonstrate that the agitator cannot be monitored without elevating the monitoring personnel more than two meters above a support surface or it is not accessible at anytime in a safe manner. Subpart H. [40 CFR 63.173(h)(1)]

## SPECIFIC REQUIREMENTS

AI ID: 3544 - Occidental Chemical Corp - Convent Facility  
Activity Number: PER1996001  
Permit Number: 2560-00019-V1  
Air - Title V Regular Permit Initial

### FUG001

#### 22-85 Plantwide Fugitive Emissions

- 182 Agitators in gas/vapor service or light liquid service (difficult-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 annually. Maintain a written plan that requires monitoring of the agitator at least once per calendar year. Subpart H. [40 CFR 63.173(h)(3)]
- Which Months: All Year Statistical Basis: None specified
- 183 Agitators in gas/vapor service or light liquid service (unsafe-to-monitor): Demonstrate that the agitator is unsafe to monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with 40 CFR 63.173(a) through (d). Subpart H. [40 CFR 63.173(j)(1)]
- 184 Agitators in gas/vapor service or light liquid service (unsafe-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires monitoring of the agitator as frequently as practicable during safe-to-monitor times, but not more frequently than the periodic monitoring schedule otherwise applicable. Subpart H. [40 CFR 63.173(j)(2)]
- Which Months: All Year Statistical Basis: None specified
- 185 Connectors in gas/vapor service or light liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once within 12 months after the compliance date, except as provided in 40 CFR 63.174(f) through (h). If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.174(d). Subpart H. [40 CFR 63.174(b)(1)]
- Which Months: All Year Statistical Basis: None specified
- 186 Connectors in gas/vapor service or light liquid service (0.5% or greater leaking): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 annually. Subpart H. [40 CFR 63.174(b)(3)(i)]
- Which Months: All Year Statistical Basis: None specified
- 187 Connectors in gas/vapor service or light liquid service (less than 0.5% leaking): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once every two years. Subpart H. [40 CFR 63.174(b)(3)(ii)]
- Which Months: All Year Statistical Basis: None specified
- 188 Connectors in gas/vapor service or light liquid service (opened or otherwise had the seal broken): Presence of a leak monitored by 40 CFR 60, Appendix A, Method 21 within three months after being returned to organic HAP service or when it is reconnected. If monitoring detects a leak, repair according to the provisions of 40 CFR 63.174(d), as specified, except as provided in 40 CFR 63.174(c)(1)(ii). Subpart H. [40 CFR 63.174(c)(1)(i)]
- Which Months: All Year Statistical Basis: None specified
- 189 Connectors in gas/vapor service or light liquid service (2 inches or less in nominal diameter): Comply with the requirements of 40 CFR 63.169. Subpart H. [40 CFR 63.174(c)(2)(i)]
- 190 Connectors in gas/vapor service or light liquid service (2 inches or less in nominal diameter): Organic HAP monitored by technically sound method within three months after being returned to organic HAP service after having been opened or otherwise had the seal broken. If monitoring detects a leak, implement repair provisions in 40 CFR 63.174(d). Subpart H. [40 CFR 63.174(c)(2)(ii)]
- Which Months: All Year Statistical Basis: None specified
- 191 Connectors in gas/vapor service or light liquid service: Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after it each leak is detected, except as provided in 40 CFR 63.171 and 63.174(g). Subpart H. [40 CFR 63.174(d)]
- 192 Connectors in gas/vapor service or light liquid service (unsafe-to-monitor): Demonstrate that the connector is unsafe to monitor because personnel would be exposed to an immediate danger as a result of complying with 40 CFR 63.174(a) through (c). Subpart H. [40 CFR 63.174(f)(1)]
- 193 Connectors in gas/vapor service or light liquid service (unsafe-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires monitoring of connectors as frequently as practicable during safe-to-monitor times, but not more frequently than the periodic schedule otherwise applicable. Subpart H. [40 CFR 63.174(f)(2)]
- Which Months: All Year Statistical Basis: None specified
- 194 Connectors in gas/vapor service or light liquid service (unsafe-to-repair): Demonstrate that repair personnel would be exposed to an immediate danger as a consequence of complying with 40 CFR 63.174(d). Subpart H. [40 CFR 63.174(g)]

## SPECIFIC REQUIREMENTS

AI ID: 3544 - Occidental Chemical Corp - Convent Facility  
Activity Number: PER19960001  
Permit Number: 2560-00019-V1  
Air - Title V Regular Permit Initial

### FUG001      22-85 Plantwide Fugitive Emissions

- 195 Connectors in gas/vapor service or light liquid service (inaccessible, ceramic, or ceramic-lined). Make a first attempt at repair within 5 days after leak is detected by visual, audible, olfactory or other means, and complete repairs no later than 15 calendar days after leak is detected, except as provided in 40 CFR 63.171 and 63.174(g). Subpart H. [40 CFR 63.174(h)(2)]
- 196 Connectors in gas/vapor service or light liquid service: Calculate percent leaking connectors as specified in 40 CFR 63.174(i)(1) and (i)(2). Subpart H. [40 CFR 63.174(j)]
- 197 Comply with the test methods and procedures requirements provided in 40 CFR 63.180. Subpart H. [40 CFR 63.180]
- 198 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records as specified in 40 CFR 63.181(a) through (k).
- 199 Submit Initial Notification: Due within 120 days after the date of promulgation of the subpart that references 40 CFR 63 Subpart H. Include the information specified in 40 CFR 63.182(b)(1). Subpart H. [40 CFR 63.182(b)]
- 200 Submit Notification of Compliance Status: Due within 90 days of the compliance dates specified in the 40 CFR 63 subpart that references 40 CFR 63 Subpart H. Include the information specified in 40 CFR 63.182(c)(1) through (c)(3). Subpart H. [40 CFR 63.182(c)]
- 201 Submit Periodic Reports: Due semiannually starting 6 months after the Notification of Compliance Status, as required in 40 CFR 63.182(e). Include the information specified in 40 CFR 63.182(g)(2) through (d)(4). Subpart H. [40 CFR 63.182(d)]
- 202 The owner or operator shall calculate an annual estimate of HAP emissions, excluding commodities exempted by 40 CFR 63.560(d), from marine tank vessel loading operations. Emission estimates and emission factors shall be based on test data, or if test data is not available, shall be based on measurement or estimating techniques generally accepted in industry practice for operating conditions at the source. [40 CFR 63.565(l)]
- 203 Owners or operators of marine tank vessel loading operations specified in 40 CFR 63.560(a)(3) shall retain records of the emissions estimates determined in 40 CFR 63.565(l) and records of their actual throughput by commodity, for 5 years. [40 CFR 63.567(j)(4)]

### GRP004      OxyChem Convent Facility

- 204 Control the emission of smoke from any combustion unit (other than a flare) or from any type of burning in a combustion unit (other than a flare) so that the shade or appearance of the emission is not darker than 20 percent average opacity as to obscure vision to a degree equivalent to the above (see Table 4, Chapter 15) except that emitted during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal, and rapping of precipitators which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:II.1101.B]
- 205 Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111 or intensify an existing traffic hazard condition are prohibited. [LAC 33:III.1103]
- 206 Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited. [LAC 33:III.1303.B]
- 207 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7. [LAC 33:III.1305]
- 208 Control the emission of particulate matter so that the shade or appearance of the emission is not denser than 20 percent average opacity, except the emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
- 209 Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.213.A.1-5. [LAC 33:III.213.A]
- 210 Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance. [LAC 33:III.219]

## SPECIFIC REQUIREMENTS

AI ID: 3544 - Occidental Chemical Corp - Convent Facility

Activity Number: PER19960001

Permit Number: 2560-00019-V1

Air - Title V Regular Permit Initial

### GRP004      OxyChem Convent Facility

- 211 Discharges of odorous substances at or beyond property lines which cause a perceived odor intensity of six or greater on the specified eight point butanol scale as determined by Method 41 of LAC 33:III.2901.D] [LAC 33:III.2901.D]
- 212 If requested to monitor for odor intensity, take and transport samples in a manner which minimizes alteration of the samples either by contamination or loss of material. Evaluate all samples as soon after collection as possible in accordance with the procedures set forth in LAC 33:III.2901.G. [LAC 33:III.2901.F]
- 213 Permittee shall comply with all applicable provisions of LAC 33:III.Chapter 5 - Permit Procedures. [LAC 33:III.501.A]
- 214 Particulate matter (10 microns or less) <= 20.45 tons/yr. [LAC 33:III.501.C.6]
- 215 Sulfur dioxide <= 2.60 tons/yr. [LAC 33:III.501.C.6]
- 216 Which Months: All Year Statistical Basis: Annual maximum
- 217 Nitrogen oxides <= 450.40 tons/yr. [LAC 33:III.501.C.6]
- 218 Which Months: All Year Statistical Basis: Annual maximum
- 219 Carbon monoxide <= 37.88 tons/yr. [LAC 33:III.501.C.6]
- 220 Which Months: All Year Statistical Basis: Annual maximum
- 221 Which Months: All Year Statistical Basis: Annual maximum
- 222 Which Months: All Year Statistical Basis: Annual maximum
- 223 Which Months: All Year Statistical Basis: Annual maximum
- 224 Which Months: All Year Statistical Basis: Annual maximum
- 225 Which Months: All Year Statistical Basis: Annual maximum
- 226 Which Months: All Year Statistical Basis: Annual maximum
- 227 Which Months: All Year Statistical Basis: Annual maximum
- 228 Which Months: All Year Statistical Basis: Annual maximum
- 229 Hydrochloric acid <= 1.446 tons/yr. [LAC 33:III.501.C.6]
- 230 Which Months: All Year Statistical Basis: Annual maximum
- which include 1,3-Butadiene, Butene, cis-2-Butene, trans-2-Butene, Ethylene, Propylene, Toluene, Xylene, m/p-Xylene, o-Xylene. [LAC 33:III.501.C.6]

## SPECIFIC REQUIREMENTS

AI ID: 3544 - Occidental Chemical Corp - Convent Facility  
Activity Number: PER19960001  
Permit Number: 2560-00019-V1  
Air - Title V Regular Permit Initial

### GRP004 OxyChem Convent Facility

- 231 Maintain, to the extent practicable, a leak-free facility taking such steps as are necessary and reasonable to prevent leaks and to expeditiously repair leaks that occur. Update the written plan presently required by LAC 33:III.21.I3.A.4 within 30 days of receipt of this permit to incorporate these general duty obligations into the housekeeping procedures. The plan shall then be considered a means of emission control subject to the required use and maintenance provisions of LAC 33:III.905. Failure to develop, use, and diligently maintain the plan shall be a violation of this permit. [LAC 33:III.501.C.6]
- 232 Chloroethane <= 1.953 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum  
233 Dichlorobenzene <= 0.002 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum  
234 Formaldehyde <= 0.125 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum  
235 Naphthalene <= 0.001 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum  
236 Polynuclear Aromatic Hydrocarbons <= 0.001 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum  
237 Sulfuric acid <= 0.001 tons/yr. [LAC 33:III.501.C.6]  
Which Months: All Year Statistical Basis: Annual maximum  
238 Do not construct or modify any stationary source subject to any standard set forth in LAC 33:III. Chapter 51. Subchapter A without first obtaining written authorization from DEQ in accordance with LAC 33:III. Chapter 51. Subchapter A, after the effective date of the standard. [LAC 33:III.5105.A.1]
- 239 Do not cause a violation of any ambient air standard listed in LAC 33:III.Table 51.2, unless operating in accordance with LAC 33:III.5109. [LAC 33:III.5105.A.2]
- 240 Do not build, erect, install, or use any article, machine, equipment, process, or method, the use of which conceals an emission that would otherwise constitute a violation of an applicable standard. [LAC 33:III.5105.A.3]
- 241 Do not fail to keep records, notify, report or revise reports as required under LAC 33:III. Chapter 51. Subchapter A. [LAC 33:III.5105.A.4]
- 242 Submit Annual Emissions Report (TER): Due annually, by the 1st of July, to the Office of Environmental Assessment, Environmental Evaluation Division in a form specified by the department. Identify the quantity of emissions in the previous calendar year for any toxic air pollutant listed in Table 51.1 or Table 51.3. [LAC 33:III.5107.A.2]
- 243 Include a certification statement with initial and subsequent annual emission reports and revisions to any emission report to attest that the information contained in the emission report is true, accurate, and complete, and signed by a responsible official, as defined in LAC 33:III.502. Include the full name of the responsible official, title, signature, date of signature and phone number of the responsible official. The certification statement shall read: "I certify, under penalty of perjury, that the emissions data provided is accurate to the best of my knowledge, information, and belief, and I understand that submitting false or misleading information will expose me to prosecution under state regulations" [LAC 33:III.5107.A.3]
- 244 Submit notification: Due to the Department of Public Safety 24-hour Louisiana Emergency Hazardous Materials Hotline at (225) 925-6595 immediately, but no later than 1 hour, after any discharge of a toxic air pollutant into the atmosphere which results or threatens to result in an emergency condition (a condition which could reasonably be expected to endanger the health and safety of the public, cause significant adverse impact to the land, water or air environment, or cause severe damage to property). [LAC 33:III.5107.B.1]
- 245 Submit notification: Due to the Office of Environmental Compliance, except as provided in LAC 33:III.5107.B.6, no later than 24 hours after the beginning of any unauthorized discharge into the atmosphere of a toxic air pollutant as a result of bypassing an emission control device, when the emission control bypass was not the result of an upset, and the quantity of the unauthorized bypass is greater than or equal to the lower of the Minimum Emission Rate (MER) in LAC 33:III. Chapter 51. Table 51.1 or a reportable quantity (RQ) in LAC 33:III.3931, or the quantity of the unauthorized bypass is greater than one pound and there is no MER or RQ for the substance in question. Submit notification in the manner provided in LAC 33:III.3923. [LAC 33:III.5107.B.2]

## SPECIFIC REQUIREMENTS

AI ID: 3544 - Occidental Chemical Corp - Convent Facility

Activity Number: PER19960001

Permit Number: 2560-00019-V1

Air - Title V Regular Permit Initial

### GRP004 OxyChem Convent Facility

- 246 Submit notification: Due to the Office of Environmental Compliance immediately, but in no case later than 24 hours after any unauthorized discharge of a toxic air pollutant into the atmosphere that does not cause an emergency condition, the rate or quantity of which is in excess of that allowed by permit, compliance schedule, or variance, or for upset events that exceed the reportable quantity in LAC 33:1.3931, except as provided in LAC 33:1.3923. [LAC 33:III.5107.B.3]
- 247 Submit written report: Due within seven calendar days of learning of any such discharge or equipment bypass as referred to in LAC 33:III.5107.B.1 through 3. Submit report to the Office of Environmental Compliance by certified mail. Include the information specified in LAC 33:II.5107.B.4.a.i through viii. [LAC 33:III.5107.B.4]
- 248 Report all discharges to the atmosphere of a toxic air pollutant from a safety relief device, a line or vessel rupture, a sudden equipment failure, or a bypass of an emission control device, regardless of quantity, in the annual emissions report and where otherwise specified. Include the identity of the source, the date and time of the discharge, and the approximate total loss during the discharge. [LAC 33:III.5107.B.5]
- 249 Apply for a permit in accordance with LAC 33:III.5111.B, for any existing major source which is operating without a Louisiana Air Permit, or which is not fully permitted, or for any minor source that was once a major source. [LAC 33:III.5111.A.4]
- 250 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. [LAC 33:III.5113.B.1]
- 251 Conduct emission tests as set forth in accordance with Test Methods of 40 CFR, parts 60, 61, and 63 or in accordance with alternative test methods approved by DEQ. [LAC 33:III.5113.B.2]
- 252 Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. [LAC 33:III.5113.B.3]
- 253 Provide emission testing facilities as specified in LAC 33:III.5113.B.4.a through e. [LAC 33:III.5113.B.4]
- 254 Analyze samples and determine emissions within 30 days after each emission test has been completed. [LAC 33:III.5113.B.5]
- 255 Submit certified letter: Due to the Office of Environmental Assessment, Environmental Technology Division before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test. [LAC 33:III.5113.B.5]
- 256 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.5113.B.6]
- 257 Submit notification: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. [LAC 33:III.5113.B.7]
- 258 Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. [LAC 33:III.5113.C.1]
- 259 Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ. [LAC 33:III.5113.C.2]
- 260 Submit performance evaluation report: Due to the Office of Environmental Assessment, Environmental Technology Division within 60 days of the monitoring system performance evaluation. [LAC 33:III.5113.C.2]
- 261 Submit notification in writing: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before a performance evaluation of the monitoring system is to begin. [LAC 33:III.5113.C.2]
- 262 Install a monitoring system on each effluent or on the combined effluent, when monitoring is required and the effluents from a single source, or from two or more sources subject to the same emission standards, are combined before being released to the atmosphere. If two or more sources are not subject to the same emission standards, install a separate monitoring system on each effluent, unless otherwise specified. If the applicable standard is a mass emission standard and the effluent from one source is released to the atmosphere through more than one point, install a monitoring system at each emission point unless DEQ approves the installation of fewer systems. [LAC 33:III.5113.C.3]
- 263 Evaluate the performance of continuous monitoring systems, upon request by DEQ, in accordance with the requirements and procedures contained in the applicable performance specification of 40 CFR Part 60, appendix B. [LAC 33:III.5113.C.5.a]

## SPECIFIC REQUIREMENTS

AI ID: 3544 - Occidental Chemical Corp - Convent Facility  
Activity Number: PER19960001  
Permit Number: 2560-0019-V1  
Air - Title V Regular Permit Initial

### GRP004 OxyChem Convent Facility

- 264 Submit report: Due to DEQ within 60 days of the performance evaluation of the CMS, if requested. Furnish DEQ with two or more copies of a written report of the test results within 60 days. [LAC 33:III.5113.C.5.a]
- 265 Install all continuous monitoring systems or monitoring devices to make representative measurements under variable process or operating parameters, if required to install a CMS. [LAC 33:III.5113.C.5.d]
- 266 Collect and reduce all data as specified in LAC 33:III.5113.C.5.e and ii, if required to install a CMS. [LAC 33:III.5113.C.5.e]
- 267 Submit plan: Due to the Office of Environmental Assessment, Environmental Technology Division within 90 days after DEQ requests either the initial plan or an updated plan, if required by DEQ to install a continuous monitoring system. Submit for approval a plan describing the affected sources and the methods for ensuring compliance with the continuous monitoring system. [LAC 33:III.5113.C.5]
- 268 Maintain records of monitoring data, monitoring system calibration checks, and the occurrence and duration of any period during which the monitoring system is malfunctioning or inoperative. Maintain these records at the source, or at an alternative location approved by DEQ, for a minimum of three years and make available, upon request, for inspection by DEQ. [LAC 33:III.5113.C.7]
- 269 Permittee shall comply with all applicable asbestos regulations during manufacturing and fabricating, during any demolition or renovation activities, during the installation of asbestos-containing insulating materials, and during the disposal of asbestos-containing material. [LAC 33:III.5151]
- 270 Activate the preplanned abatement strategy listed in LAC 33:III.5611. Table 5 when the administrative authority declares an Air Pollution Alert. [LAC 33:III.5609.A.1.b]
- 271 Activate the preplanned strategy listed in LAC 33:III.5611. Table 6 when the administrative authority declares an Air Pollution Warning. [LAC 33:III.5609.A.2.b]
- 272 Activate the preplanned abatement strategy listed in LAC 33:III.5611. Table 7 when the administrative authority declares an Air Pollution Emergency. [LAC 33:III.5609.A.3.b]
- 273 Prepare standby plans for the reduction of emissions during periods of Air Pollution Alert, Air Pollution Warning and Air Pollution Emergency. Design standby plans to reduce or eliminate emissions in accordance with the objectives as set forth in LAC 33:III.5611. Tables 5, 6, and 7. [LAC 33:III.5609.A]
- 274 Comply with the provisions in 40 CFR 68, except as specified in LAC 33:III.5901. [LAC 33:III.5901.A]
- 275 Identify hazards that may result from accidental releases of the substances listed in 40 CFR 68.130, Table 59.0 of LAC 33:III.5907, or Table 59.1 of LAC 33:III.5913 using appropriate hazard assessment techniques, design and maintain a safe facility, and minimize the off-site consequences of accidental releases of such substances that do occur. [LAC 33:III.5907]
- 276 Submit Emission Inventory (EI)/Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment, Environmental Evaluation Division. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D. [LAC 33:III.919.D]
- 277 Report the unauthorized discharge of any air pollutant into the atmosphere in accordance with LAC 33:1. Chapter 39, Notification Regulations and Procedures for Unauthorized Discharges. Submit written reports to the department pursuant to LAC 33:1.3925. Submit timely and appropriate follow-up reports detailing methods and procedures to be used to prevent similar atmospheric releases. [LAC 33:III.927]
- 278 Comply with the requirements of PSD-LA-108. This permit includes provisions of the Prevention of Significant Deterioration (PSD) review from Permit PSD-LA-108. [40 CFR 52.21]
- 279 All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A. [40 CFR 60.1]
- 280 All affected facilities shall comply with all applicable provisions in 40 CFR 61 Subpart A. [40 CFR 61.01]
- 281 Permittee shall comply with all applicable requirements of 40 CFR 61 Subpart M. [40 CFR 61.140]
- 282 Permittee shall comply with all applicable demolition and renovation standards as cited in 40 CFR 61.145. [40 CFR 61.145]
- 283 Permittee shall comply with all applicable waste disposal standards for demolition and renovation operations as cited in 40 CFR 61.150. [40 CFR 61.150]
- 284 Submit report: Due whenever there is a change in the process generating the waste stream that could cause the total annual benzene quantity from facility waste to increase to 1 Mg/yr (1.1 ton/yr) or more. Submit updates to the information listed in 40 CFR 61.357(a)(1) through (a)(3). Subpart FF. [40 CFR 61.357(b)]

## **SPECIFIC REQUIREMENTS**

AI ID: 3544 - Occidental Chemical Corp - Convent Facility

Activity Number: PER19960001

Permit Number: 2560-00019-Y1

Air - Title V Regular Permit Initial

### **GRP005 CAP01-05 Boiler Cap**

285 Equipment/operational data monitored by technically sound method continuously. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: None specified

286 Equipment/operational data <=5,800,000 MM BTU/yr total annual heat input to the boilers (EIQ 7-78, 8-78, and 9-78). Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the total annual heat input to the boilers exceeds the maximum listed in this specific condition for any twelve consecutive month period. [LAC 33:III.501.C.6]

287 Equipment/operational data recordkeeping by electronic or hard copy monthly. Keep monthly records of the total heat input to the boilers (EIQ 7-78, 8-78, and 9-78) in this Emissions Cap (CAP01-05), as well as for the last twelve months. Make records available for inspection by DEQ personnel. [LAC 33:III.501.C.6]

288 Submit report: Due annually by the 31st of March. Report the total annual heat input to the boilers for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]